



#5

SEQUENCE LISTING

<110> Graff, Jonathon M.
Muenster, Matthew

<120> METHODS TO IDENTIFY SIGNAL SEQUENCES

<130> A34943 (090495.0243)

<140> 10/002,631

<141> 2001-10-31

<150> 60/300,309

<151> 2001-06-21

<160> 324

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 884

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (608)...(884)

<223> n = A, C, G or T

<400> 1

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atctcgcggt	tcctgcggat	agcacagcac	aagatcatac	tgaagatcat	gccaaatatc	180
atgaccacgg	caatgccgat	gcccactgcg	ccgatgatgt	ggaatttatt	gtcgaagacc	240
tctttgatgg	catcaggaca	ggacttcacg	gtgaagggtt	cgagtacgtc	cttcttgggg	300
cagatgtctg	agataaactg	ttccacgccc	ccagccaaac	cacagcagtt	caacgcatag	360
tggatggcct	tcagcgtttc	ccgctggggc	tcatccttgg	ttttcagctt	gttgtaggtg	420
tccttgtaaa	actcctggac	ttccttaatc	acctcatcct	tgtgggaata	tccccagatg	480
gccgcagcta	tttcaatggc	gaatatcacc	aagaggaagc	ccgaagaaca	gtcccagcat	540
gcaactgggac	tcctgcacag	ccccgcagca	gcccgaggaag	cccaccagca	tcatgagggc	600
gccggctncg	atcagaatat	agactcctgt	gtagaagctg	gaattattat	tattaagttt	660
cttgctcgaa	gatgctcttg	gnctgagagt	cgaatcgga	cccttagtca	atggcaagga	720
cagnaattcc	cgggnaaggc	ccnaannaag	aannttaa	cccgaacaag	natggtattt	780
gntncccttt	ggggcctncn	ttntaccgg	nnttttgtna	nggnntnact	taanccnggg	840
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<210> 2

<211> 288

<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (1)...(2)
<223> Xaa = Any amino acid

<400> 2

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Xaa	Lys	Xaa	Xaa	Xaa	Xaa	Lys	Xaa	Pro	Val	Xaa	Xaa	Xaa	Ala	Pro	Lys	
			20					25					30			
Gly	Xaa	Lys	Tyr	His	Xaa	Cys	Ser	Gly	Phe	Xaa	Xaa	Leu	Xaa	Xaa	Gly	
		35					40					45				
Leu	Xaa	Arg	Glu	Xaa	Leu	Ser	Leu	Pro	Leu	Thr	Lys	Gly	Ser	Asp	Ser	
	50					55					60					
Thr	Leu	Xaa	Pro	Arg	Ala	Ser	Ser	Ser	Lys	Lys	Leu	Asn	Asn	Asn	Asn	
65				70					75						80	
Ser	Ser	Phe	Tyr	Thr	Gly	Val	Tyr	Ile	Leu	Ile	Xaa	Ala	Gly	Ala	Leu	
			85					90						95		
Met	Met	Leu	Val	Gly	Phe	Leu	Gly	Cys	Cys	Gly	Ala	Val	Gln	Glu	Ser	
			100					105						110		
Gln	Cys	Met	Leu	Gly	Leu	Phe	Phe	Gly	Leu	Pro	Leu	Gly	Asp	Ile	Arg	
		115						120					125			
His	Asn	Ser	Cys	Gly	His	Leu	Gly	Ile	Phe	Pro	Gln	Gly	Gly	Asp	Gly	
	130					135					140					
Ser	Pro	Gly	Val	Leu	Gln	Gly	His	Leu	Gln	Gln	Ala	Glu	Asn	Gln	Gly	
145					150					155					160	
Ala	Pro	Ala	Gly	Asn	Ala	Glu	Ser	His	Pro	Leu	Cys	Val	Glu	Leu	Leu	
				165					170					175		
Trp	Phe	Gly	Trp	Gly	Arg	Gly	Thr	Val	Tyr	Leu	Arg	His	Leu	Pro	Gln	
			180					185					190			
Glu	Gly	Arg	Thr	Arg	Asn	Leu	His	Arg	Glu	Val	Leu	Ser	Cys	His	Gln	
		195					200					205				
Arg	Gly	Leu	Arg	Gln	Ile	Pro	His	His	Arg	Arg	Ser	Gly	His	Arg	His	
	210					215					220					
Cys	Arg	Gly	His	Asp	Ile	Trp	His	Asp	Leu	Gln	Tyr	Asp	Leu	Val	Leu	
225					230					235					240	
Cys	Tyr	Pro	Gln	Glu	Pro	Arg	Asp	Gly	Leu	Glu	Ser	Ala	Tyr	Ile	Pro	
			245						250					255		
Glu	Gln	Glu	Ser	Leu	Pro	Met	Lys	Ile	Gly	Gly	Ile	Phe	Cys	Leu	Phe	
			260					265					270			
Val	Leu	Phe	Cys	Leu	Leu	Phe	Val	Val	Cys	Phe	Phe	Ala	Thr	Gly	Ser	
		275					280					285				

<210> 3
<211> 529
<212> DNA

<213> Homo sapiens

<400> 3

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tacggcgctt ggcatagagt gcactgaggg tgaagcaggt aaagatcatt gccgtgcca 180
tgaaagcagt gggaaggatg ctgggggttg cagcaatata aaactccagg gcagggccca 240
ggccaactcc tgtaaggaat gcaaataccag caagaagtcc cagtcttttc tgttcagttt 300
catggctatg aggtgttgcc atcagccaaa tcatcaatat caggagagccc aaggcagaca 360
gcaggccagc ctgaatgaaa tgagtgaaca tatggacata ggcccctgca gccgccacaa 420
acatacaaag ggcaaaactt gcatagacct tcttcaggtg ctgctgcgtt gacgggggta 480
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<210> 4

<211> 162

<212> PRT

<213> Homo sapiens

<400> 4

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Glu Phe Ala Ala Ala Ser Thr Phe Asp Ala Leu Leu Lys Phe Ser His
 1          5          10          15
Ile Thr Pro Ser Thr Gln Gln His Leu Lys Lys Val Tyr Ala Ser Phe
          20          25          30
Ala Leu Cys Met Phe Val Ala Ala Ala Gly Ala Tyr Val His Met Val
          35          40          45
Thr His Phe Ile Gln Ala Gly Leu Leu Ser Ala Leu Gly Ser Leu Ile
          50          55          60
Leu Met Ile Trp Leu Met Ala Thr Pro His Ser His Glu Thr Glu Gln
65          70          75          80
Lys Arg Leu Gly Leu Leu Ala Gly Phe Ala Phe Leu Thr Gly Val Gly
          85          90          95
Leu Gly Pro Ala Leu Glu Phe Cys Ile Ala Val Asn Pro Ser Ile Leu
          100          105          110
Pro Thr Ala Phe Met Gly Thr Ala Met Ile Phe Thr Cys Phe Thr Leu
          115          120          125
Ser Ala Leu Tyr Ala Arg Arg Arg Ser Tyr Leu Phe Leu Gly Gly Ile
          130          135          140
Leu Met Ser Ala Leu Ser Leu Leu Leu Leu Ser Ser Leu Gly Asn Val
145          150          155          160
Phe Phe
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<210> 5

<211> 454

<212> DNA

<213> Homo sapiens

<400> 5

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gtacatacac aaaaaagtta ctggaatgct cggaataaga ttgtttttct gttgtcattt 180
ttgctttttt tacaaggttt tttttctcct ttgagattat aatgaacatg gtcacaccac 240
aagtaaagtc agaagtagga cagagaacgc tccgaaggct ggtttggtca tccgagatca 300
ttaaaaatgg ctgaccctaa caatatgtac aaaaatataa aatgtaaata aaaaatacaa 360
acaaatttcc tttttaaaagt actttaagaa aaaaagcagg gccttggaag ttttggttct 420
tttttcctcc cctggtcgcac gcggccgcga attc 454

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<210> 6

<211> 144

<212> PRT

<213> Homo sapiens

<400> 6

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Asn Ser Arg Pro Arg Arg Pro Gly Glu Glu Lys Arg Thr Lys Thr Ser
1          5          10          15
Lys Ala Leu Leu Phe Phe Leu Lys Tyr Phe Lys Lys Glu Ile Cys Leu
20          25          30
Tyr Phe Leu Phe Thr Phe Tyr Ile Phe Val His Ile Val Arg Val Ser
35          40          45
His Phe Ser Arg Met Thr Lys Pro Ala Phe Gly Ala Phe Ser Val Leu
50          55          60
Leu Leu Thr Leu Leu Val Val Pro Cys Ser Leu Ser Gln Arg Arg Lys
65          70          75          80
Lys Thr Leu Lys Lys Gln Lys Gln Gln Lys Asn Asn Leu Ile Pro Ser
85          90          95
Ile Pro Val Thr Phe Leu Cys Met Tyr Leu Ala Val Leu Val Val Gly
100          105          110
Leu Tyr Glu Met Val Lys Lys Ala Lys Asp Lys Arg Phe Leu Phe Phe
115          120          125
Ser Phe Phe Val Tyr Glu Val Ala Val Tyr Phe Phe Trp Pro Gly Ser
130          135          140

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<210> 7

<211> 478

<212> DNA

<213> Homo sapiens

<400> 7

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ggatccaagc atcaggagca ggcaaggaga accaaaagac atcaagaaac cgatttgctt 60
gagaaaagca gcgattcttc ctttcagagt tctccatggc tcagaaaatg cccaagacat 120
catgtatgtg acttagatac tgcttttttg gaggttaaga gtagcatgaa gaacttaaga 180
tgacgataag agtctaaatt tttagtttca aggtttcaat agaatgtgga tatattcaaa 240
actttcaaaa aggacagtgt ttagaaaggg taaaactagg acacagaaaa cactgggaat 300
taccacgacc cccaagtgtc tccggctcca ggaaataacc attcatgtgt ttgctggagg 360
tcacacaatt ttcccctatt acctggtgca aaatgactca tcacttccca aaagcttctt 420
ttcaaaccac gattttccca tttatttttg tccaatgcgt cgacgcggcc gcgaattc 478

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<210> 8

<211> 150
<212> PRT
<213> Homo sapiens

<400> 8

Asn	Ser	Arg	Pro	Arg	Arg	Arg	Ile	Gly	Pro	Lys	Met	Gly	Lys	Ser	Trp
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Phe	Glu	Lys	Lys	Leu	Leu	Gly	Ser	Asp	Glu	Ser	Phe	Cys	Thr	Arg	Gly
			20					25					30		
Lys	Ile	Val	Pro	Pro	Ala	Asn	Thr	Met	Val	Ile	Ser	Trp	Ser	Arg	Lys
		35					40					45			
His	Leu	Gly	Val	Val	Val	Ile	Pro	Ser	Val	Phe	Cys	Val	Leu	Val	Leu
	50					55					60				
Pro	Phe	Leu	Asn	Thr	Val	Leu	Phe	Glu	Ser	Phe	Glu	Tyr	Ile	His	Ile
65					70					75					80
Leu	Leu	Lys	Pro	Asn	Lys	Phe	Arg	Leu	Leu	Ser	Ser	Ser	Val	Leu	His
				85					90					95	
Ala	Thr	Leu	Asn	Leu	Pro	Lys	Ser	Ser	Ile	Val	Thr	Tyr	Met	Met	Ser
			100					105					110		
Trp	Ala	Phe	Ser	Glu	Pro	Trp	Arg	Thr	Leu	Lys	Gly	Arg	Ile	Ala	Ala
		115					120					125			
Phe	Leu	Lys	Gln	Ile	Gly	Phe	Leu	Met	Ser	Phe	Gly	Ser	Pro	Cys	Leu
	130					135						140			
Leu	Leu	Met	Leu	Gly	Ser										
145					150										

<210> 9
<211> 770
<212> DNA
<213> Homo sapiens

<220>

<221> unsure

<222> (615)...(757)

<223> n = A, C, G or T

<400> 9

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agtaactcca	gtcacttccc	ctgccacgtc	ccaggtgcct	agggaggcag	tcaggttcac	180
ctggtatacc	tcctgaccag	aagctgcctg	aaggctcagc	cctggcacca	agatgctcct	240
gaggggctga	acttccacac	cctgtagggg	gtactggagc	ggggagttgg	caggggctat	300
gagcagctgg	tcagctgggg	actggctcct	cgacagaaag	gcctggaact	cctgctctct	360
tgtggcagag	gcagccctca	gctctgcagg	gtcaaaggcc	ttggtgaggt	caatagctcg	420
gacttgtttc	tggaagggga	gggggaggcc	ccccccactg	gactcacaac	tgcagttggt	480
ccaagccagc	agccccacta	cttgctcctt	gatcctgacc	gggatgtgtg	cctagcgggg	540
ctcangagca	agatctggca	gctcgggcct	gcgggggctt	tgcgggggcg	cccacggcgc	600
aagaagtacc	cggangcccg	ggcgccgtnc	cgggtgctcg	cgtacaggan	ccccancgag	660
gccaaGCCna	ccagaaggac	caaaacgcac	aaggggcccgg	cgggcccaacc	acatcctgct	720

aacctntaag gacggcaaaa ttcggncggg ctntnanccg gccggaatta

770

<210> 10

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (5)...(75)

<223> Xaa = Any amino acid

<400> 10

Ile	Pro	Ala	Gly	Xaa	Xaa	Pro	Xaa	Arg	Ile	Leu	Pro	Ser	Leu	Xaa	Val
1				5					10					15	
Ser	Arg	Met	Trp	Leu	Ala	Arg	Arg	Ala	Leu	Val	Arg	Phe	Gly	Pro	Ser
			20					25					30		
Gly	Xaa	Leu	Gly	Leu	Xaa	Gly	Xaa	Pro	Val	Arg	Glu	His	Pro	Xaa	Arg
		35				40						45			
Arg	Pro	Gly	Xaa	Arg	Val	Leu	Leu	Ala	Pro	Trp	Ala	Pro	Pro	Gln	Ser
	50					55					60				
Pro	Arg	Arg	Pro	Glu	Leu	Pro	Asp	Leu	Ala	Xaa	Glu	Pro	Arg	Ala	His
65					70					75					80
Ile	Pro	Val	Arg	Ile	Lys	Glu	Gln	Val	Val	Gly	Leu	Leu	Ala	Trp	Asn
				85					90					95	
Asn	Cys	Ser	Cys	Glu	Ser	Ser	Gly	Gly	Gly	Leu	Pro	Leu	Pro	Phe	Gln
			100					105					110		
Lys	Gln	Val	Arg	Ala	Ile	Asp	Leu	Thr	Lys	Ala	Phe	Asp	Pro	Ala	Glu
		115					120					125			
Leu	Arg	Ala	Ala	Ser	Ala	Thr	Arg	Glu	Gln	Glu	Phe	Gln	Ala	Phe	Leu
	130					135					140				
Ser	Arg	Ser	Gln	Ser	Pro	Ala	Asp	Gln	Leu	Leu	Ile	Ala	Pro	Ala	Asn
145					150					155					160
Ser	Pro	Leu	Gln	Tyr	Pro	Leu	Gln	Gly	Val	Glu	Val	Gln	Pro	Leu	Arg
			165					170						175	
Ser	Ile	Leu	Val	Pro	Gly	Leu	Ser	Leu	Gln	Ala	Ala	Ser	Gly	Gln	Glu
		180						185					190		
Val	Tyr	Gln	Val	Asn	Leu	Thr	Ala	Ser	Leu	Gly	Thr	Trp	Asp	Val	Ala
		195					200					205			
Gly	Glu	Val	Thr	Gly	Val	Thr	Leu	Thr	Gly	Glu	Gly	Gln	Ala	Asp	Leu
	210					215					220				
Thr	Leu	Val	Ser	Pro	Gly	Leu	Asp	Gln	Leu	Asn	Arg	Gln	Leu	Gln	Leu
225					230					235					240
Val	Thr	Tyr	Ser	Ser	Arg	Ser	Tyr	Gln	Thr	Asn	Thr	Ala	Gly	Ser	
				245					250					255	

<210> 11

<211> 480

<212> DNA

<213> Homo sapiens

<400> 11

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cccgcggccg tgcagcaggg cgtgcagcgg cttctcctcg tcctgccggg ggaggcagcg 180
cagcccctgg gcgcagcgct cgggtgtagac gccgcacgac tgcccctcgg ccaggggcgca 240
ggtcatgcag cagccgcagc cgggctcctt gaccagctcg cagcccaggg ggctgggggg 300
gcacatggag agggctttct cgtcgcaggg ctgcagtgac acgaaggagc ccagggtctg 360
ggccggcccc gcataggcgg ccagcagcag gaggaccgcg gtgagcaaca ccattctctc 420
ttagtcgccc cctttacctc ggggtggggc aggaaaagcg gtcgacgcgg ccgcgaattc 480
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<210> 12

<211> 159

<212> PRT

<213> Homo sapiens

<400> 12

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Gly Gly Asp Glu Lys Met Val Leu Leu Thr Ala Val Leu Leu Leu Leu
 20           25           30
Ala Ala Tyr Ala Gly Pro Ala Gln Ser Leu Gly Ser Phe Val His Cys
 35           40           45
Glu Pro Cys Asp Glu Lys Ala Leu Ser Met Cys Pro Pro Ser Pro Leu
 50           55           60
Gly Cys Glu Leu Val Lys Glu Pro Gly Cys Gly Cys Cys Met Thr Cys
 65           70           75           80
Ala Leu Ala Glu Gly Gln Ser Cys Gly Val Tyr Thr Glu Arg Cys Ala
 85           90           95
Gln Gly Leu Arg Cys Leu Pro Arg Gln Asp Glu Glu Lys Pro Leu His
100           105           110
Ala Leu Leu His Gly Arg Gly Val Cys Leu Asn Glu Lys Ser Tyr Arg
115           120           125
Glu Gln Val Lys Ile Glu Arg Asp Ser Arg Glu His Glu Glu Pro Thr
130           135           140
Thr Ser Glu Met Ala Glu Glu Thr Tyr Ser Pro Pro Pro Gly Ser
145           150           155
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<210> 13

<211> 949

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (527)...(945)

<223> n = A, C, G or T

<400> 13

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acaaaaccac acaaaccaaa ccgtcaacag cataataaaa tccaacaac tatttttatt 120
tcatttttca tgcacaacct ttccccagc gcaaaagact gttactttat tattgtattc 180
aaaattcatt gtgtatatatta ctacaaagac aaccccaaac caattttttt cctgcgaagt 240
ttaatgatcc acaagtgtat atatgaaatt ctccctcctt cttgcccccc tctctttctt 300
ccctctttcc cctccagaca ttctagtttg tggagggtta tttaaaaaaa caaaaaagga 360
agatgggtcaa gtttgtaaaa tatttgtttg tgctttttcc ccctccttac ctgaccccct 420
acgagtttac aggtctgtgg caatactctt aaccataaga attgaaatgg tgaagaaaca 480
agtatacact agaggctctt aaaagtattg aaagacaata ctgctgntat atagcaagac 540
ataaacagat tataaacatc agagccattt gcttctcagt ttacatttct gatacatgca 600
gatagcagat gtcttttaaat gaaatacatg tatattgngt atggacttaa ttatgcacat 660
gctcagatgt gtagacatcc tncgnatatt tacataacat atngaggtaa tagatagggg 720
gatatacctg gatncattct caaganattg cttggaccga aggttncaag gaccccaaac 780
cctttggggc ttttttacc ccaanatggn ccttgggaat caaatcctt nnggaaatgg 840
nccttnaana aacttngntt ttttgcnttt tgaaaaaagg ccatgggnca ttggnanttn 900
nggngggccn ccttancccc tttaaaatta nnnttctntt tgggnggct 949
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<210> 14

<211> 305

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (2)...(135)

<223> Xaa = any amino acid

<400> 14

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Met Xaa His Gly Leu Phe Ser Lys Xaa Lys Lys Xaa Lys Phe Xaa Xaa
 20          25          30
Gly Pro Phe Pro Xaa Gly Ile Phe Pro Arg Xaa Xaa Leu Gly Val Lys
 35          40          45
Lys Ala Gln Arg Val Trp Gly Pro Xaa Asn Leu Arg Ser Lys Gln Xaa
 50          55          60
Leu Glu Asn Xaa Ser Arg Tyr Ile Pro Leu Ser Ile Thr Ser Ile Cys
 65          70          75          80
Tyr Val Asn Xaa Arg Arg Met Ser Thr His Leu Ser Met Cys Ile Ile
 85          90          95
Lys Ser Ile Xaa Asn Ile His Val Phe His Leu Lys Thr Ser Ala Ile
 100          105          110
Cys Met Tyr Gln Lys Cys Lys Leu Arg Ser Lys Trp Leu Cys Leu Ser
 115          120          125
Val Tyr Val Leu Leu Tyr Xaa Ser Ser Ile Val Phe Gln Tyr Phe Glu
 130          135          140
Pro Leu Val Tyr Thr Cys Phe Phe Thr Ile Ser Ile Leu Met Val Lys
 145          150          155          160
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Ser	Ile	Ala	Thr	Asp	Leu	Thr	Arg	Arg	Gly	Ser	Gly	Lys	Glu	Gly	Glu	
				165					170					175		
Lys	Ala	Gln	Thr	Asn	Ile	Leu	Gln	Thr	Pro	Ser	Ser	Phe	Phe	Val	Phe	
			180					185					190			
Leu	Asn	Asn	Pro	Pro	Gln	Thr	Arg	Met	Ser	Gly	Gly	Glu	Arg	Gly	Lys	
		195					200					205				
Lys	Glu	Arg	Gly	Ala	Arg	Lys	Glu	Glu	Asn	Phe	Ile	Tyr	Thr	Leu	Val	
	210					215					220					
Asp	His	Thr	Ser	Gln	Glu	Lys	Asn	Trp	Phe	Gly	Val	Val	Phe	Val	Val	
225					230					235					240	
Ile	Tyr	Thr	Met	Asn	Phe	Glu	Tyr	Asn	Asn	Lys	Val	Thr	Val	Phe	Cys	
				245					250					255		
Thr	Gly	Gly	Lys	Val	Val	His	Glu	Lys	Asn	Lys	Asn	Ser	Cys	Trp	Asp	
			260					265					270			
Phe	Ile	Met	Leu	Leu	Thr	Val	Trp	Phe	Val	Trp	Phe	Cys	Leu	Leu	Leu	
		275					280					285				
Ile	Phe	Ser	Leu	Leu	Leu	Pro	Ala	Trp	Leu	Cys	Gln	Thr	Asn	Gln	Gly	
	290					295					300					

Ser
305

<210> 15
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (571)...(571)
 <223> n = A, C, G or T

<400> 15

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gttctgtctc	agtttttggtc	tttttttggtg	cattgggtctc	ctcactttca	ctctctgaga	180
tctcctcact	ccgaccctgc	ttgttgacct	ttgggggtgga	ggcttcctct	actcgggcct	240
tcttggtgtg	ctgcctggac	ttctcagctt	tgccatcact	gctggacgtg	ctgaccacctc	300
caggggaggc	ccggccccctc	gatctcagtt	cttcccgggg	cccaggggcc	tctttcttcc	360
gtccactcct	cattgacatc	gagtctttat	tctgtcgtgt	cttcattctt	caggctgtgg	420
agacccatt	ctcctctgcc	tgggcagctg	aatacagaaa	cttctctgct	ccaccccaag	480
ttccccacag	ctgtggtctg	ggaagcagga	tctccaagtt	tccagtgtgg	gcacctggaa	540
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tctggggggg	cgg					613

<210> 16
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 16

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Arg Pro Pro Arg Arg Arg Arg Lys Pro Gly Ile Pro Val Arg Ser Gln
1      5      10      15
Pro Ala Val Pro Ser Tyr Gln Gln Phe Gln Val Pro Thr Leu Glu Thr
20      25      30
Trp Arg Ser Cys Phe Pro Asp His Ser Cys Gly Glu Leu Gly Val Glu
35      40      45
Gln Arg Ser Phe Cys Ile Gln Leu Pro Arg Gln Arg Arg Met Gly Ser
50      55      60
Pro Gln Pro Glu Glu Arg His Asp Arg Ile Lys Thr Arg Cys Gln Gly
65      70      75      80
Val Asp Gly Arg Lys Arg Pro Leu Gly Pro Gly Lys Asn Asp Arg Gly
85      90      95
Ala Gly Pro Pro Leu Glu Gly Ser Ala Arg Pro Ala Val Met Ala Lys
100     105     110
Leu Arg Ser Pro Gly Arg Gln Pro Arg Arg Pro Glu Arg Lys Pro Pro
115     120     125
Pro Gln Arg Ser Thr Ser Arg Val Gly Val Arg Arg Ser Gln Arg Val
130     135     140
Lys Val Arg Arg Pro Met His Gln Lys Arg Pro Lys Leu Ser Arg Asn
145     150     155     160
Ser Leu Gly His Ser Leu Pro Pro Ile Trp Ile Ala Trp Thr Gly Gly
165     170     175
Ala Leu Met Met Met Ala Ala Ala Thr Leu Gly Ile Ser Thr Arg Thr
180     185     190
Thr Glu Ala Arg Pro Pro Gly Ser
195     200
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<210> 17

<211> 284

<212> DNA

<213> Homo sapiens

<400> 17

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ggatccatt cctaccactg tgagtgctaa ataagaagca atgtaccgtt tttccagacc 60
gtctctaaca ctctgaattg caccgaacat tggaggtata atcatgatca gggtactcac 120
tgtattccag aactcggcga tgtaccaggt cacggagtag ttctcctcgc accagtccag 180
cgtggagggtc gtggggcccc agtagccctc tcggtccgcg gccggagcca tcacgccgcc 240
gccgccgccg cccaggcgct ccgcgtcgac gcggccgcga attc 284
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<210> 18

<211> 92

<212> PRT

<213> Homo sapiens

<400> 18

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Ile Arg Gly Arg Val Asp Ala Glu Arg Leu Gly Gly Gly Gly Gly Gly
1      5      10      15
Val Met Ala Pro Ala Ala Asp Arg Glu Gly Tyr Trp Gly Pro Thr Thr
```

			20						25					30					
Ser	Thr	Leu	Asp	Trp	Cys	Glu	Glu	Asn	Tyr	Ser	Val	Thr	Trp	Tyr	Ile				
		35					40					45							
Ala	Glu	Phe	Trp	Asn	Thr	Val	Ser	Asn	Leu	Ile	Met	Ile	Ile	Pro	Pro				
	50					55					60								
Met	Phe	Gly	Ala	Ile	Gln	Ser	Val	Arg	Asp	Gly	Leu	Glu	Lys	Arg	Tyr				
65					70					75					80				
Ile	Ala	Ser	Tyr	Leu	Ala	Leu	Thr	Val	Val	Gly	Met								
				85					90										

<210> 19
 <211> 928
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (634)...(919)
 <223> n = A, C, G or T

<400> 19

ggatccggtt	ggaataagaa	ctttcatcac	cactgctgtc	atctgtaaaa	ctaggattgt	60
tatctgaata	ttcatcaata	gttgtaggtg	tactactttc	ctcaaaaatg	cttcctctct	120
cactgtgact	gtgtccattc	attggccttag	gtatagtctg	gcttttaaga	agatgtaaaa	180
gcaaactatt	gtagcagct	tgttttatat	tgtttctttc	cagtgagttc	ttataacctg	240
catttttagg	ggaagaagga	atgataccca	ttggattttg	aaacactgta	gcactacttt	300
tgctagccat	cagtttgctt	gatgatgttc	ttgcctgacc	attaagatgg	cttgacattc	360
cttttgagg	ctggtaactg	ccaacatcct	tctggccatt	ttcttgcaat	ctggccatag	420
cagcaagtct	ttcacttgct	gcttgatttg	cattttgcgt	ttttaagcg	tggtctcgag	480
aatactgctg	caaatgggct	tcgcttgaca	gaagtaatgc	taactggcta	caagcaacac	540
taggtttaag	tgaggtggca	ggactagccc	tttttccac	catgcttgca	acagcctgta	600
atcttgacgc	acatgacaac	gggtcactca	tgancctttg	tccactttgt	ccacatgatg	660
angagactct	gcaacctatc	tctgatgang	gttttagtcn	catcaggaan	attcgaatca	720
ngcttttgac	cttaacttta	cttttctttc	accaaagntt	ttaagtggac	tgagaccaca	780
centagcacc	ttaaaacctt	ctcncttttt	aaagaatctg	gctggaggcc	taatccttgn	840
ttccttgagg	cttttgccng	aattgggtgg	gaccaaacca	ccgnntggna	accctaaacc	900
ttaaggactg	gaacccaana	aggcccct				928

<210> 20
 <211> 298
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (3)...(93)
 <223> Xaa = any amino acid

<400> 20

Gly	Ala	Xaa	Leu	Gly	Ser	Ser	Pro	Gly	Leu	Gly	Xaa	Pro	Xaa	Gly	Gly		
1				5					10					15			
Leu	Val	Pro	Thr	Asn	Ser	Gly	Lys	Ser	Leu	Lys	Glu	Xaa	Arg	Ile	Arg		
			20					25					30				
Pro	Pro	Ala	Arg	Phe	Phe	Lys	Lys	Xaa	Glu	Gly	Phe	Lys	Val	Leu	Xaa		
		35					40					45					
Cys	Gly	Ser	Ser	Pro	Leu	Lys	Xaa	Phe	Gly	Glu	Arg	Lys	Val	Lys	Leu		
	50					55					60						
Arg	Ser	Lys	Ala	Phe	Glu	Xaa	Ser	Xaa	Asp	Asn	Xaa	His	Gln	Arg	Val		
65					70					75				80			
Ala	Glu	Ser	Xaa	His	His	Val	Asp	Lys	Val	Asp	Gln	Xaa	Ser	Val	Thr		
				85					90					95			
Arg	Cys	His	Val	Leu	Gln	Asp	Tyr	Arg	Leu	Leu	Gln	Ala	Trp	Trp	Lys		
			100					105					110				
Lys	Gly	Leu	Val	Leu	Pro	Pro	His	Leu	Asn	Leu	Val	Leu	Leu	Val	Ala		
		115					120					125					
Ser	His	Tyr	Phe	Cys	Gln	Ala	Lys	Pro	Ile	Cys	Ser	Ser	Ile	Leu	Glu		
	130					135					140						
Asn	Thr	Leu	Lys	Arg	Lys	Met	Gln	Ile	Lys	Gln	Gln	Val	Lys	Asp	Leu		
145					150					155				160			
Leu	Leu	Trp	Pro	Asp	Cys	Lys	Lys	Met	Ala	Arg	Arg	Met	Leu	Ala	Val		
				165					170					175			
Thr	Ser	Ser	Gln	Lys	Glu	Cys	Gln	Ala	Ile	Leu	Met	Val	Arg	Gln	Glu		
			180					185					190				
His	His	Gln	Ala	Asn	Trp	Leu	Ala	Lys	Val	Val	Leu	Gln	Cys	Phe	Lys		
		195					200					205					
Ile	Gln	Trp	Val	Ser	Phe	Leu	Leu	Pro	Leu	Lys	Met	Gln	Val	Ile	Arg		
	210					215					220						
Thr	His	Trp	Lys	Glu	Thr	Ile	Asn	Lys	Leu	Leu	Thr	Ile	Val	Cys	Phe		
225					230					235				240			
Tyr	Ile	Phe	Leu	Lys	Ala	Arg	Leu	Tyr	Leu	Ser	Gln	Met	Asp	Thr	Val		
				245					250				255				
Thr	Val	Arg	Glu	Glu	Ala	Phe	Leu	Arg	Lys	Val	Val	His	Leu	Gln	Leu		
			260					265					270				
Leu	Met	Asn	Ile	Gln	Ile	Thr	Ile	Leu	Val	Leu	Gln	Met	Thr	Ala	Val		
		275					280					285					
Val	Met	Lys	Val	Leu	Ile	Pro	Thr	Gly	Ser								
	290					295											

<210> 21

<211> 563

<212> DNA

<213> Homo sapiens

<400> 21

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ggatcctctt aggtctcgca ggctgtctat ggcttgctct ggtgatattg tgtcagacag 60
gtatagtagg agacaagcag ctacaagaca agatctccca agtcctccat agcagtgtat 120
taagggtttt cggtaatttt taaggcaggt tgtaagctct tccattatatt cacagcagct 180
ggctatgtca ggagtccttc catctgcgat tggatgatga tgggtgataa ttccacattg 240

```

```

ctggtagaga tccagaaggt ttgggactct atatatttgac agttcccctc tgggtgcagaa 300
aacaatatg tcttgtatac cacagctctt tagttcttct gtatcttttt ggacatttct 360
tctaacatct ttaaattttac aacctggaag agcacataaa ccgagaaact gagaacaatt 420
cactcgtgac aaagatagcc atgatatatg aattggagtc tgttcattct caataggctc 480
ttcatctgat gagtcaaact cacttgtttg tattgaactg ggcggcttca tcgctggccc 540
gccgtcgacg cggccgcgaa ttc 563

```

<210> 22

<211> 187

<212> PRT

<213> Homo sapiens

<400> 22

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Ile Arg Gly Arg Val Asp Gly Gly Pro Ala Met Lys Pro Pro Ser Ser
 1           5           10           15
Ile Gln Thr Ser Glu Phe Asp Ser Ser Asp Glu Glu Pro Ile Glu Asp
           20           25           30
Glu Gln Thr Pro Ile His Ile Ser Trp Leu Ser Leu Ser Arg Val Asn
           35           40           45
Cys Ser Gln Phe Leu Gly Leu Cys Ala Leu Pro Gly Cys Lys Phe Lys
           50           55           60
Asp Val Arg Arg Asn Val Gln Lys Asp Thr Glu Glu Leu Lys Ser Cys
65           70           75           80
Gly Ile Gln Asp Ile Phe Val Phe Cys Thr Arg Gly Glu Leu Ser Lys
           85           90           95
Tyr Arg Val Pro Asn Leu Leu Asp Leu Tyr Gln Gln Cys Gly Ile Ile
           100          105          110
Thr His His His Pro Ile Ala Asp Gly Gly Thr Pro Asp Ile Ala Ser
           115          120          125
Cys Cys Glu Ile Met Glu Glu Leu Thr Thr Cys Leu Lys Asn Tyr Arg
           130          135          140
Lys Thr Leu Ile His Cys Tyr Gly Gly Leu Gly Arg Ser Cys Leu Val
145          150          155          160
Ala Ala Cys Leu Leu Leu Tyr Leu Ser Asp Thr Ile Ser Pro Glu Gln
           165          170          175
Ala Ile Asp Ser Leu Arg Asp Leu Arg Gly Ser
           180          185

```

<210> 23

<211> 171

<212> DNA

<213> Homo sapiens

<400> 23

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ggatcctgga tgccacgaga tggcaagagc cacaatcaat gaatgcatta tgggtcaaattc 60
ttttcatgta tatggatgtg actatttttaa caataaaaag aagtgaaaag ttaaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgacgcg gccgcgaatt c 171

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<210> 24

<211> 53
<212> PRT
<213> Homo sapiens

<400> 24
Glu Phe Ala Ala Ala Ser Thr Phe Phe Phe Phe Phe Phe Phe Phe
1 5 10 15
Phe Phe Phe Leu Thr Phe His Phe Phe Tyr Leu Leu Lys Ser His Pro
20 25 30
Tyr Thr Lys Asp Leu Thr Ile Met His Ser Leu Ile Val Ala Leu Ala
35 40 45
Ile Ser Trp His Pro
50

<210> 25
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (582)...(602)
<223> n = A, C, G or T

<400> 25
ggatcctgca cttatccagg ttaagatcta aataggctgt aagtttcttg ttaaagtcac 60
gaacaatggt ggcaggatca ctatctgcaa actctgggac aggcacactg ataaattcaa 120
cttcttcttc ttcaaagatt ttaatatatt cttcaattgt ctggtagaga gcagctgggg 180
catctgcaga gggctcattt aagatgacat catctttgat gtactttatt ccacagtagt 240
acacgtcatc tggttgaagt gcaaaatatt tgtacaagta tgctcctcct agaataacac 300
ctgcaagcat aaatgctagt ccaaagcaca tgcaccaaca ccaggctcct ctttggccaa 360
ctggtaccac atcatctggg tccttgacgt ccaccgcgac ggcgtcgggg gggatgatga 420
gcgcctcctc gccgctcttg ggctcgctct tcttggcctc cttctgggcc agagcggagt 480
tgaacgtcac cttcaccatg gcgcggcctg ggcgcgcctc gaaggcgccg ggcggctcgg 540
ggcgcggtg cggtcccggt ctgcgattgc agcctctacg gncgggctcc gggagccggc 600
tncgggcggc tgaagaaggt cggaagctt cgcggcgcca gaagcggcta ctgcgggtcg 660
acgccggccg cgaaattc 678

<210> 26
<211> 219
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (26)...(33)
<223> Xaa = any amino acid

<400> 26

Glu	Phe	Arg	Gly	Arg	Arg	Arg	Pro	Ala	Val	Ala	Ala	Ser	Ala	Ala	Ala	
1				5					10					15		
Lys	Leu	Pro	Asp	Leu	Leu	Gln	Pro	Pro	Xaa	Ala	Gly	Ser	Arg	Ser	Pro	
			20					25					30			
Xaa	Val	Glu	Ala	Ala	Ile	Ala	Ala	Gly	Ser	Arg	Ser	Arg	Ala	Pro	Ser	
		35				40						45				
Arg	Arg	Arg	Pro	Ser	Arg	Ala	Pro	Gln	Ala	Ala	Pro	Trp	Arg	Arg	Ser	
		50				55					60					
Thr	Pro	Leu	Trp	Pro	Arg	Arg	Arg	Pro	Arg	Arg	Thr	Ser	Pro	Arg	Ala	
65					70					75					80	
Ala	Arg	Arg	Arg	Ser	Ser	Ser	Pro	Pro	Thr	Pro	Ser	Arg	Trp	Thr	Ala	
				85					90					95		
Arg	Thr	Gln	Met	Met	Trp	Tyr	Gln	Leu	Ala	Lys	Glu	Glu	Pro	Gly	Val	
		100						105					110			
Gly	Ala	Cys	Ala	Leu	Asp	His	Leu	Cys	Leu	Gln	Val	Leu	Phe	Glu	Glu	
		115					120					125				
His	Thr	Cys	Thr	Asn	Ile	Leu	His	Phe	Asn	Gln	Met	Thr	Cys	Thr	Thr	
	130					135					140					
Val	Glu	Ser	Thr	Ser	Lys	Met	Met	Ser	Ser	Met	Ser	Pro	Leu	Gln	Met	
145					150					155					160	
Pro	Gln	Leu	Leu	Ser	Thr	Arg	Gln	Leu	Lys	Lys	Ile	Leu	Lys	Ser	Leu	
				165					170					175		
Lys	Lys	Lys	Lys	Leu	Asn	Leu	Ser	Val	Cys	Leu	Ser	Gln	Ser	Leu	Gln	
			180					185				190				
Ile	Val	Ile	Leu	Pro	Thr	Leu	Phe	Met	Thr	Leu	Thr	Arg	Asn	Leu	Gln	
		195					200					205				
Pro	Ile	Ile	Leu	Thr	Trp	Ile	Ser	Ala	Gly	Ser						
	210					215										

<210> 27

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (651)...(915)

<223> n = A, C, G or T

<400> 27

ggatcctagg	acaaagccac	atcccaaata	cttgctgaga	gcagtggcta	caaagttaa	60
catgagatta	gacattgaga	tggctccttt	atattgagag	aacatggact	ttggagttgg	120
gcagacttga	atttgcattc	tggctctagt	ggttactacc	tagtgtggct	ttgagctatt	180
aaactttcca	aagtttcgaa	ggacttatct	gtaacatagt	aatggtaatc	caccttatgg	240
ggtagttgtc	ttgaagaggc	tatttgggag	gctgaggcaa	gaggatcact	tgaggccagg	300
aggttgaaac	cagcctgggc	aacacagcga	gaccctgtgt	ctacaaaaaa	ttaaaaaatt	360
aggcattgtg	gcgtgcacct	gaagtcccag	ctactcaagg	cagagatggg	aggatcactt	420
gtgcccagga	gctccaggct	gcagtgagcc	atgattttgc	cactgcactc	cagactgggt	480
gacagagcaa	gacccttctt	ctttgttggg	ggcaaaaaaa	aaaaaaagag	ggtatatgaa	540

```

gtacctagta taatatctag cctgaattgc ctataatgac gcacttcctt tctttccctt 600
gggtttcagc tgncaaacac tcttctacaa gtaagataag cccagctttg natgggtcaat 660
ggataaacat ttcctatttc tttgtaaatc ccatnttctg cagacatctc aatttcacatca 720
ttggccaaaa aagtcctttc attccttanc cctgganaaa taacctttnt taaatnttaa 780
accgntntgc ctgaactttg gctatcctct tntacatntc cttaaaccan ggacttggaa 840
cttcttggat cantcccaag attaattcct taantttttc anaccaaccg gtatgaagca 900
gggaatangg ccttnt 916

```

<210> 28

<211> 236

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (1)...(93)

<223> Xaa = any amino acid

<400> 28

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Xaa Gly Xaa Ile Pro Cys Phe Ile Pro Val Gly Xaa Lys Xaa Leu Arg
 1          5          10          15
Asn Ser Trp Xaa Ser Lys Lys Phe Gln Val Xaa Gly Leu Arg Xaa Cys
 20          25          30
Xaa Arg Gly Pro Lys Phe Arg Xaa Xaa Gly Leu Xaa Phe Xaa Lys Gly
 35          40          45
Tyr Xaa Ser Arg Xaa Lys Glu Lys Asp Phe Phe Gly Gln Asn Asp Val
 50          55          60
Cys Arg Xaa Trp Asp Leu Gln Arg Asn Arg Lys Cys Leu Ser Ile Asp
 65          70          75          80
His Xaa Lys Leu Gly Leu Ser Tyr Leu Lys Ser Val Xaa Gln Leu Lys
 85          90          95
Pro Lys Gly Lys Lys Gly Ser Ala Ser Leu Ala Ile Gln Ala Arg Tyr
 100         105         110
Tyr Thr Arg Tyr Phe Ile Tyr Pro Leu Phe Phe Phe Phe Ala Pro Asn
 115         120         125
Lys Glu Lys Gly Ser Cys Ser Val Thr Gln Ser Gly Val Gln Trp Gln
 130         135         140
Asn His Gly Ser Leu Gln Pro Gly Ala Pro Gly His Lys Ser Ser His
 145         150         155         160
Leu Cys Leu Glu Leu Gly Leu Gln Val His Ala Thr Met Pro Asn Phe
 165         170         175
Leu Ile Phe Cys Arg His Arg Val Ser Leu Cys Cys Pro Gly Trp Phe
 180         185         190
Gln Pro Pro Gly Leu Lys Ser Ser Cys Leu Ser Leu Pro Asn Ser Leu
 195         200         205
Phe Lys Thr Thr Thr Pro Gly Leu Pro Leu Leu Cys Tyr Arg Val
 210         215         220
Leu Arg Asn Phe Gly Lys Phe Asn Ser Ser Lys Pro
 225         230         235

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<210> 29
 <211> 930
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (611)...(928)
 <223> n = A, C, G or T

<400> 29
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 gtacataaca aacatggcga aaaaggagat gtttgaaacc atctgcattt ttttctgtga 120
 tcggtcttta agctcactgt aaattggcag gactgacggg tggcaaacaa atgcaaatgc 180
 aatgggtgggt aaagcataca cggctcttga attgaaggta acatatatttg gcgtacacgt 240
 gtcagcattt gttgaattag cacttattgt tgaatttagc tctggaacaa tgcagggaat 300
 ttgaaatttc ttgtaaataa ccacaattag gaaaaaaacc atacagctca aggaaaatcc 360
 actagtatag ccaagatacc ctaagttctt caagagacac agagggagaa ttatgccaaa 420
 ggtaactatc accaccagaa cgcgggccatc cacgtaccag gctgaaaatg tctcttcctt 480
 tcccattaga aactttatgg cagagggtag ttcatttttt acgatgaaga ggtagctcag 540
 cattgctcca gtgttctgtg gagaggtggc ttcaaagatt acgaacttcc tgtggtgcc 600
 aagacttgggt nccccacttt tcatacacca tgcagnctgt tcttttgaac agatcaatag 660
 ganggttaat ggaatatata gacagcaatg tcaactgaagt caaaagtacc cgaaaaagtn 720
 gggattccag tgtttgccag ggcaaaaggc caattcccaa aattccactt gnccataatg 780
 gccttgctta aggttaaaac cgacatgcc taanggaggt tgnacctggg aatatactca 840
 ttncactttt ttttttccaa aggctgtttg gganantttt tttanttttc cgaccnaaat 900
 aaacttgnnt ttaacngacc ttttttttct 930

<210> 30
 <211> 307
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(104)
 <223> Xaa = any amino acid

<400> 30
 Xaa Lys Lys Arg Ser Val Lys Xaa Lys Phe Ile Xaa Val Gly Lys Xaa
 1 5 10 15
 Lys Lys Xaa Ser Gln Thr Ala Phe Gly Lys Lys Lys Val Xaa Val Tyr
 20 25 30
 Ser Gln Val Gln Pro Pro Leu Gly His Val Gly Phe Asn Leu Lys Gln
 35 40 45
 Gly His Tyr Gly Gln Val Glu Phe Trp Glu Leu Ala Phe Cys Pro Gly
 50 55 60
 Lys His Trp Asn Pro Xaa Phe Phe Gly Tyr Phe Leu Gln His Cys Cys
 65 70 75 80

Leu	Tyr	Ile	Pro	Leu	Thr	Xaa	Leu	Leu	Ile	Cys	Ser	Lys	Glu	Gln	Xaa	
				85					90					95		
Ala	Trp	Cys	Met	Lys	Ser	Gly	Xaa	Pro	Ser	Leu	Trp	His	His	Arg	Lys	
			100					105					110			
Phe	Val	Ile	Phe	Glu	Ala	Thr	Ser	Leu	Gln	Asn	Thr	Gly	Ala	Met	Leu	
		115					120					125				
Ser	Tyr	Leu	Phe	Ile	Val	Lys	Asn	Glu	Leu	Pro	Ser	Ala	Ile	Lys	Phe	
	130					135					140					
Leu	Met	Gly	Lys	Glu	Glu	Thr	Phe	Ser	Ala	Trp	Tyr	Val	Asp	Gly	Arg	
145					150				155						160	
Val	Leu	Val	Val	Ile	Val	Thr	Phe	Gly	Ile	Ile	Leu	Pro	Leu	Cys	Leu	
			165					170						175		
Leu	Lys	Asn	Leu	Gly	Tyr	Leu	Gly	Tyr	Thr	Ser	Gly	Phe	Ser	Leu	Ser	
			180				185						190			
Cys	Met	Val	Phe	Phe	Leu	Ile	Val	Val	Ile	Tyr	Lys	Lys	Phe	Gln	Ile	
		195					200					205				
Pro	Cys	Ile	Val	Pro	Glu	Leu	Asn	Ser	Thr	Ile	Ser	Ala	Asn	Ser	Thr	
	210					215					220					
Asn	Ala	Asp	Thr	Cys	Thr	Pro	Lys	Tyr	Val	Thr	Phe	Asn	Ser	Lys	Thr	
225					230					235					240	
Val	Tyr	Ala	Leu	Pro	Thr	Ile	Ala	Phe	Ala	Phe	Val	Cys	His	Pro	Ser	
			245					250						255		
Val	Leu	Pro	Ile	Tyr	Ser	Glu	Leu	Lys	Asp	Arg	Ser	Gln	Lys	Lys	Met	
			260					265					270			
Gln	Met	Val	Ser	Asn	Ile	Ser	Phe	Phe	Ala	Met	Phe	Val	Met	Tyr	Phe	
		275					280					285				
Leu	Thr	Ala	Ile	Phe	Gly	Tyr	Leu	Thr	Phe	Tyr	Asp	Asn	Val	Gln	Ser	
	290					295					300					
Asp	Gly	Ser														
305																

<210> 31
 <211> 919
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (610)...(918)
 <223> n = A, C, G or T

<400> 31
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 acagggcctg atgggaggca gaggatagaa cagactgtac agtgggaata aagatcatac 120
 ctatttacia ggaagtagaa aagacatggt aatggatata aaattgagtg tgaaacctgg 180
 gaaaggacag aaaactcctc ccttttgctt gacctccttt ttactcccct accttggcct 240
 gtgctatcct gagacactcc tcaattgctc aattaattct ccaggaaagg caaacctata 300
 gtcaatagtt agcttggcaa gaatataggt taataattag agttggagga agctaacagt 360
 ggagatagga cttgagtagc tgccactggt agttttatct ataacctctc ctcgaacctc 420

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gcattaacct cagatttcat tgaattaaaa agaaggtggg agggcaagta aatcaatcaa 480
aacttccata aaacaagtac cccaactgaa ctaccatcaa ttaaagtgca aactgcaggg 540
gtatatgggt ggctggggct gaggccatct aaaggccaga ggggaaaaaa tgcatatgta 600
taaatacagan gatgggtacc agaactgncc cttccttcaa tcagatcaca gcagagccca 660
agatgcaggc aaccagtgga aaatcnttgg gaagactctg gggccaacc ccacgattag 720
gggaaaccct tccttaaaaa ggttgcntga aggggaaact gggccctttg aaaaagttac 780
nggaaccnna gtggnccttg accttcacct tcggccatta ncttacaagg gaccttctg 840
cnggggcctg aaaattgcct ccccatTTta nctttaccta ggaaccctt ccnaggncaa 900
tttgggttcc ccatggtnt
919

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<210> 32

<211> 290

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (1)...(100)

<223> Xaa = any amino acid

<400> 32

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Xaa Pro Trp Gly Thr Gln Ile Xaa Leu Gly Arg Gly Ser Val Lys Xaa
 1          5          10          15
Lys Trp Gly Gly Asn Phe Gln Ala Pro Ala Gly Arg Ser Leu Val Xaa
 20          25          30
Trp Pro Lys Val Lys Val Lys Xaa His Xaa Gly Ser Xaa Asn Phe Phe
 35          40          45
Lys Gly Pro Ser Phe Pro Phe Xaa Gln Pro Phe Gly Arg Val Ser Pro
 50          55          60
Asn Arg Gly Val Gly Pro Gln Ser Leu Pro Xaa Asp Phe Pro Leu Val
 65          70          75          80
Ala Cys Ile Leu Gly Ser Ala Val Ile Leu Lys Glu Gly Xaa Val Leu
 85          90          95
Val Pro Ile Xaa Phe Ile His Met His Phe Phe Pro Ser Gly Leu Met
 100         105         110
Ala Ser Ala Pro Ala Thr His Ile Pro Leu Gln Phe Ala Leu Leu Met
 115         120         125
Val Val Gln Leu Gly Tyr Leu Phe Tyr Gly Ser Phe Asp Phe Thr Cys
 130         135         140
Pro Pro Thr Phe Phe Leu Ile Gln Asn Leu Arg Leu Met Arg Gly Ser
 145         150         155         160
Arg Arg Gly Tyr Arg Asn Tyr Gln Trp Gln Leu Leu Lys Ser Tyr Leu
 165         170         175
His Cys Leu Pro Pro Thr Leu Ile Ile Asn Leu Tyr Ser Cys Gln Ala
 180         185         190
Asn Tyr Leu Val Cys Leu Ser Trp Arg Ile Asn Ala Ile Glu Glu Cys
 195         200         205
Leu Arg Ile Ala Gln Ala Lys Val Gly Glu Lys Gly Gly Gln Ala Lys
 210         215         220
Gly Arg Ser Phe Leu Ser Phe Pro Arg Phe His Thr Gln Phe Asp Ile

```

225					230					235				240
His	Tyr	His	Val	Phe	Ser	Thr	Ser	Leu	Ile	Gly	Met	Ile	Phe	Ile
				245					250					255
Thr	Val	Gln	Ser	Val	Leu	Ser	Ser	Ala	Ser	His	Gln	Ala	Leu	Phe
			260					265					270	Leu
Cys	Ser	Phe	Val	Asn	Ile	Leu	Asn	Leu	Val	Pro	Pro	Ser	Leu	Ile
		275					280					285		Pro
Gly	Ser													
	290													

<210> 33
 <211> 916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (610)...(915)
 <223> n = A, C, G or T

<400> 33

ggatccgcc	tggtagcggc	aaaagagttt	tttctgtctc	cgaggggtca	ttttgatacc	60
ctccccacgg	cacagcattt	cgtacttctg	tctctctggc	aggtaatcca	cagcaacccc	120
ttttttcttt	ggtgtagttt	tctgatcaga	ttgggtcatct	gaagcagact	tattgacatc	180
ttttttcttta	gccattatat	actcaaaata	ttttaagtta	ccattagctc	tctgatgttc	240
aggatctagt	tcaagaagct	tctttgtgag	caaaagtgcc	ttatccaggt	ctccctgctg	300
atataccgca	tagctcaaat	aatctagaac	agagacttta	tctatggtag	aaatctcgcc	360
ttcatccagt	tgccttaggg	cttggtccat	ccacagttcc	gtatggtaat	aatctgcttc	420
tgtataggcc	actttgcca	actcaaagca	gtcctcagcc	cgtagaaaa	gatttgtgtt	480
tcactcctgg	aagattaccc	tttgagatgg	tatctgtatc	caaattgtag	gtatcctgga	540
gacgtaacag	agctttggct	gccccaacct	gatcttcac	attaggaaag	tactgnctct	600
gaatgggtan	ggtagagata	aagccatctg	acatatcctt	aaggaccaga	ttctccaact	660
cacttcactc	agtattcaga	cgttcattaa	atttgaatgc	atttactggg	tggcccaaca	720
aatccttctg	gaacntttgn	cgctggacta	agttaccgca	tctaacntct	ntgcccattt	780
tttaantggn	ctacctgggc	ctntntggcc	ttaannnanc	tttcnaaaag	cccnaaactt	840
tncaagnntg	ggcnaannng	ncntttgccn	ntgannnaaa	aacntggang	ncccaanct	900
gggaaccnaa	ttnnnt					916

<210> 34
 <211> 299
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(103)
 <223> Xaa = any amino acid

<400> 34

Xaa	Asn	Xaa	Val	Pro	Xaa	Leu	Gly	Xaa	Ser	Xaa	Phe	Xaa	Xaa	Xaa	Xaa
1				5					10					15	
Gln	Xaa	Xaa	Xaa	Xaa	Pro	Xaa	Leu	Xaa	Lys	Xaa	Xaa	Ala	Phe	Xaa	Lys
			20					25					30		
Xaa	Xaa	Gly	Xaa	Xaa	Gly	Pro	Gly	Xaa	Pro	Xaa	Lys	Lys	Trp	Ala	Xaa
		35					40					45			
Xaa	Leu	Asp	Arg	Val	Thr	Ser	Ser	Xaa	Lys	Xaa	Ser	Arg	Arg	Ile	Cys
	50					55					60				
Trp	Ala	Thr	Gln	Met	His	Ser	Asn	Leu	Met	Asn	Val	Ile	Leu	Ser	Glu
65					70					75					80
Val	Ser	Trp	Arg	Ile	Trp	Ser	Leu	Arg	Ile	Cys	Gln	Met	Ala	Leu	Ser
				85					90					95	
Leu	Pro	Tyr	Pro	Phe	Arg	Xaa	Ser	Thr	Phe	Leu	Met	Met	Lys	Ile	Arg
			100					105					110		
Leu	Gly	Gln	Pro	Lys	Leu	Cys	Tyr	Val	Ser	Arg	Ile	Pro	Thr	Ile	Trp
		115					120					125			
Ile	Gln	Ile	Pro	Ser	Gln	Arg	Val	Ile	Phe	Gln	Glu	Asn	Thr	Asn	Leu
	130					135					140				
Phe	Arg	Ala	Glu	Asp	Cys	Phe	Glu	Leu	Gly	Lys	Val	Ala	Tyr	Thr	Glu
145					150					155					160
Ala	Asp	Tyr	Tyr	His	Thr	Glu	Leu	Trp	Met	Glu	Gln	Ala	Leu	Arg	Gln
				165					170					175	
Leu	Asp	Glu	Gly	Glu	Ile	Ser	Thr	Ile	Asp	Lys	Val	Ser	Val	Leu	Asp
			180					185					190		
Tyr	Leu	Ser	Tyr	Ala	Val	Tyr	Gln	Gln	Gly	Asp	Leu	Asp	Lys	Ala	Leu
		195					200					205			
Leu	Leu	Thr	Lys	Lys	Leu	Leu	Glu	Leu	Asp	Pro	Glu	His	Gln	Arg	Ala
	210					215					220				
Asn	Gly	Asn	Leu	Lys	Tyr	Phe	Glu	Tyr	Ile	Met	Ala	Lys	Glu	Lys	Asp
225					230					235					240
Val	Asn	Lys	Ser	Ala	Ser	Asp	Asp	Gln	Ser	Asp	Gln	Lys	Thr	Thr	Pro
				245					250					255	
Lys	Lys	Lys	Gly	Val	Ala	Val	Asp	Tyr	Leu	Pro	Glu	Arg	Gln	Lys	Tyr
			260					265					270		
Glu	Met	Leu	Cys	Arg	Gly	Glu	Gly	Ile	Lys	Met	Thr	Pro	Arg	Arg	Gln
		275					280					285			
Lys	Lys	Leu	Phe	Cys	Arg	Tyr	His	Gly	Gly	Ser					
	290					295									

<210> 35

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (596)...(915)

<223> n = A, C, G or T

<400> 35

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ctccccacgg  cacagcattt  cgtacttctg  tctctctggc  aggtaatcca  cagcaacccc  120
ttttttcttt  ggtgtagttt  tctgatcaga  ttggtcatct  gaagcagact  tattgacatc  180
tttttcttta  gccattatat  actcaaaata  ttttaagtta  ccattagctc  tctgatgttc  240
aggatctagt  tcaagaagct  tctttgtgag  caaaagtgcc  ttatccaggt  ctccctgctg  300
atataccgca  tagctcaaat  aatctagaac  agagacttta  tctatggtag  aaatctcgcc  360
ttcatccagt  tgccttaggg  cttgttccat  ccacagttcc  gtatggtaat  aatctgcttc  420
tgtataggcc  actttgccc  actcaaagca  gtcctcagcc  cgttagaaaa  gatttgtgtt  480
tcactcctgg  aagattaccc  tttgagatgg  tatctgtatc  caaattgtag  gtatcctgga  540
gacgtaacag  agctttggct  gcccacact  gatcttcac  attaggaaag  tactgnctct  600
gaatgggtan  ggtagagata  aagccatctg  acatatcctt  aaggaccaga  ttctccaact  660
cacttcactc  agtattcaga  cgttcattaa  atttgaatgc  atttactggg  tggcccaaca  720
aatccttctg  gaacntttgn  cgctggacta  agttaccgca  tctaacntct  ntgcccattt  780
tttaantggn  ctacctgggc  cntntggcc  ttaannnanc  tttcnaaaag  ccnnaactt  840
tncaagnntg  ggchnaannng  ncntttgccn  ntgannnaaa  aacntggang  nccccaanct  900
gggaaccnaa  ttnnnt  916
```

<210> 36

<211> 106

<212> PRT

<213> Homo sapiens

<400> 36

```
Asn Ser Arg Pro Arg Arg Pro Gly Trp Leu Arg Gly Ala Ala Pro Gly
 1          5          10          15
Pro Arg Gly Ser Gln Ser Asn Glu Thr Thr Ala Cys Ser Arg Leu Val
          20          25          30
Glu Ile Ser Arg Arg His Gln Trp Ala Arg Ser Glu Pro Ser Gly Pro
          35          40          45
Pro Val Trp Asn Gln Thr Cys Ala Arg Gly Arg Ala Val Gly Gln Arg
          50          55          60
Gly Arg Gly Asp Glu Gly Ala Met Ala Arg Lys Leu Ser Val Ile Leu
65          70          75          80
Ile Leu Thr Phe Ala Leu Ser Val Thr Asn Pro Leu His Glu Leu Lys
          85          90          95
Ala Ala Ala Phe Pro Gln Thr Thr Gly Ser
          100          105
```

<210> 37

<211> 626

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (586)...(586)

<223> n = A, C, G or T

<400> 37

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ggatccacca accccggcct cccaaagtgc tgggattaca ggcattgagcc accacgcca 60
gccattcctt gtcatttcta tcatttgata catctatact tctgaataat cataactgat 120
actcaaagag atgccctgac accctccaag gttctacaag gtgaccaaat cagagaggtc 180
acctcatgcc tagtattatt ttgggggttag catacatttt ataataatta ttttaaaact 240
ggcaatccat tttgggactc aatgacagct ctctctatta atcatattgt tttattaact 300
gaaatagtcc actcagtcag taggattaat gatcagagat tatgacacaa ctaaaaccaa 360
agctggggca atgggctctc agaatggaac caccattat gaactatcca tctgaccaac 420
tctttaactt tcttcctaaa tatgagatca ccaaggcggt tcaatgcagc ctgcacaatt 480
catggggcag ggtcctcaga ttaaagactt tacatttatg tagaattcaa gtatcatttt 540
tcactaagca aactctattt gctcactctc ttctacatgt aattgnccaa ctttggttga 600
ctgctgagtc ctcatgggaa gaattc 626
```

<210> 38

<211> 188

<212> PRT

<213> Homo sapiens

<400> 38

```
Ile Leu Pro Met Arg Thr Gln Gln Ser Thr Lys Val Gly Gln Leu His
1      5      10      15
Val Glu Glu Ser Glu Gln Ile Glu Phe Ala Lys Met Ile Leu Glu Phe
20      25      30
Tyr Ile Asn Val Lys Ser Leu Ile Gly Pro Cys Pro Met Asn Cys Ala
35      40      45
Gly Cys Ile Glu Thr Pro Trp Ser His Ile Glu Glu Ser Arg Val Gly
50      55      60
Gln Met Asp Ser Ser Trp Val Val Pro Phe Glu Pro Ile Ala Pro Ala
65      70      75      80
Leu Val Leu Val Val Ser Ser Leu Ile Ile Asn Pro Thr Asp Val Asp
85      90      95
Tyr Phe Ser Asn Asn Met Ile Asn Arg Glu Ser Cys His Val Pro Lys
100     105     110
Trp Ile Ala Ser Phe Lys Ile Ile Ile Lys Cys Met Leu Thr Pro
115     120     125
Lys Tyr Ala Gly Asp Leu Ser Asp Leu Val Thr Leu Asn Leu Gly Gly
130     135     140
Cys Gln Gly Ile Ser Leu Ser Ile Ser Tyr Asp Tyr Ser Glu Val Met
145     150     155     160
Tyr Gln Met Ile Glu Met Thr Arg Asn Gly Trp Ala Trp Trp Leu Met
165     170     175
Pro Val Ile Pro Ala Leu Trp Glu Ala Gly Val Gly
180     185
```

<210> 39

<211> 897

<212> DNA

<213> Homo sapiens

<220>
 <221> unsure
 <222> (634)...(896)
 <223> n = A, C, G or T

<400> 39
 ggatcctgag ctaagcatgg tccctccgta gatatccaga gccagctgag aataggcaaa 60
 gccaaaaaca gtgatgggtca ggccggccag cagggccagc ttgagcaggg actccaagac 120
 tgcagcagcc acagcaacgt cctcctgctt ctgaagtgtg gcatcctttc ccctctccag 180
 caccttagca aaaaatatat aaaaactttc ctctattggc tggaaaatta atctggccac 240
 aaggggagcca agattattca ctatatcata cacaccctga tcaccaaagt tcaatacatt 300
 caaaaatgtc atcacatatc gctcgccttc tgtcaaaatc tgtttcaaga aagactgttt 360
 gaaaaaactc caagtcagtt tagcctcttt ccagtttata aacgctccat ttcttgtaat 420
 attgggtaac agatctgtta ttctggagac aggaagagtt tgaagcttgg ttgattctgg 480
 ggaacccagt aactttgtga aataaataac atagcagagc accagaactg tggatatagaa 540
 aagctggggc aaagagaaaa tgtacaatcc ccagtgaggc aaccacagca cgagaaaagc 600
 tgtcagacgc tcttaagaat taccgcaggc tctntgcaat caccttgagc ttncaaacad 660
 atgtgcttgt gcccaagaac caaaaggctn ttctanaagc ttcaccactg gcgaaagacc 720
 aaccgnacca ntccagttgc atantgaggg acaccattag gatcngcctt ttagcagttt 780
 aaccagatcn gcccgaggaat anggcccaac ttcccagggg actgttacct ancaggttaa 840
 gggctgggtc agctnccctgg ggccccctgg anatgtttgn gaaggccttt ggccnnt 897

<210> 40
 <211> 296
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(86)
 <223> Xaa = any amino acid

<400> 40
 Xaa Gly Gln Arg Pro Ser Gln Thr Xaa Pro Gly Gly Pro Arg Xaa Leu
 1 5 10 15
 Asp Gln Pro Leu Thr Xaa Trp Val Thr Val Pro Trp Glu Val Gly Pro
 20 25 30
 Tyr Ser Trp Ala Asp Leu Val Xaa Leu Leu Lys Gly Xaa Ser Trp Cys
 35 40 45
 Pro Ser Xaa Cys Asn Trp Xaa Gly Xaa Val Gly Leu Ser Pro Val Val
 50 55 60
 Lys Leu Xaa Glu Xaa Pro Phe Gly Ser Trp Ala Gln Ala His Met Phe
 65 70 75 80
 Xaa Ser Ser Arg Leu Xaa Arg Ala Cys Gly Asn Ser Glu Arg Leu Thr
 85 90 95
 Ala Phe Leu Val Leu Trp Leu Pro His Trp Gly Leu Tyr Ile Phe Ser
 100 105 110
 Leu Ala Gln Leu Phe Tyr Thr Thr Val Leu Val Leu Cys Tyr Val Ile
 115 120 125
 Tyr Phe Thr Lys Leu Leu Gly Ser Pro Glu Ser Thr Lys Leu Gln Thr

130		135		140
Leu Pro Val Ser Arg	Ile Thr Asp Leu Leu Pro	Asn Ile Thr Arg Asn		
145	150	155	160	
Gly Ala Phe Ile Asn Trp Lys Glu Ala Lys Leu Thr Trp Ser Phe Phe				
	165	170	175	
Lys Gln Ser Phe Leu Lys Gln Ile Leu Thr Glu Gly Glu Arg Tyr Val				
	180	185	190	
Met Thr Phe Leu Asn Val Leu Asn Phe Gly Asp Gln Gly Val Tyr Asp				
	195	200	205	
Ile Val Asn Asn Leu Gly Ser Leu Val Ala Arg Leu Ile Phe Gln Pro				
	210	215	220	
Ile Glu Glu Ser Phe Tyr Ile Phe Phe Ala Lys Val Leu Glu Arg Gly				
225	230	235	240	
Lys Asp Ala Thr Leu Gln Lys Gln Glu Asp Val Ala Val Ala Ala Ala				
	245	250	255	
Val Leu Glu Ser Leu Leu Lys Leu Ala Leu Leu Ala Gly Leu Thr Ile				
	260	265	270	
Thr Val Phe Gly Phe Ala Tyr Ser Gln Leu Ala Leu Asp Ile Tyr Gly				
	275	280	285	
Gly Thr Met Leu Ser Ser Gly Ser				
290	295			

<210> 41
 <211> 607
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (200)...(211)
 <223> n = A, C, G or T

<400> 41
 ggatccgtgg ccagaaaaaa aaaaatcggtt acctacaaaa tctcttgggc aacacttaag 60
 ccattggaaga gccacatga atccaggtct actttccttt acaggtagat tccagaacaa 120
 caacaaaaaa tgtaagacta caagaaatga tttaatatga taaaactccc atttcaaaac 180
 ccagtttctaa aggattttacn tgactaatgc ntgattattt agtcatggaa aatgtctctc 240
 ataaaagtgc tcctaacaaa acatgatcta caataattta taaaatgtga agggttggga 300
 tgtgcagact gattggtgca cgtcaggttg tttctcttaa ataaggtata aaaaactatg 360
 atatcatagt ctttcgactt tattttctga gataaaaaag tataggcata ggtgttttta 420
 atagtcttct tgatgatatc ctttagaata atctatcaaa tggcttcttt catgtttcct 480
 gattatcagc attcatcagt gttactgtca gccttgatta agtgggttgaa aatttcagag 540
 aagaataagc aacttctgtg aacctttccc caatccctga gaatcatgtc gacgcggccg 600
 cgaattc 607

<210> 42
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (121)...(125)
 <223> Xaa = any amino acid

<400> 42
 Asn Ser Arg Pro Arg Arg His Asp Ser Gln Gly Leu Gly Lys Gly Ser
 1 5 10 15
 Gln Lys Leu Leu Ile Leu Leu Asn Phe Gln Pro Leu Asn Gln Gly Gln
 20 25 30
 His Met Leu Ile Ile Arg Lys His Glu Arg Ser His Leu Ile Asp Tyr
 35 40 45
 Ser Lys Gly Tyr His Gln Glu Asp Tyr Lys His Leu Cys Leu Tyr Phe
 50 55 60
 Phe Ile Ser Glu Asn Lys Val Glu Arg Leu Tyr His Ser Phe Leu Tyr
 65 70 75 80
 Leu Ile Glu Lys Gln Pro Asp Val His Gln Ser Val Cys Thr Ser Gln
 85 90 95
 Pro Phe Thr Phe Tyr Lys Leu Leu Ile Met Phe Cys Glu His Phe Tyr
 100 105 110
 Glu Arg His Phe Pro Leu Asn Asn Xaa Ala Leu Val Xaa Ile Leu Asn
 115 120 125
 Trp Val Leu Lys Trp Glu Phe Tyr His Ile Lys Ser Phe Leu Val Val
 130 135 140
 Leu His Phe Leu Leu Leu Phe Trp Asn Leu Pro Val Lys Glu Ser Arg
 145 150 155 160
 Pro Gly Phe Met Trp Ala Leu Pro Trp Leu Lys Cys Cys Pro Arg Asp
 165 170 175
 Phe Val Gly Asn Asp Phe Phe Phe Ser Gly His Gly Ser
 180 185

<210> 43
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 43
 ggatccttta atgtcctcat ttgttgtctg gttggagctg atcaagtagg tgtggaatcc 60
 tgagaggcca acgatggacc agacagagaa gaagcacacc acagcctcca ggacgcttgc 120
 aggactgtcc ttaagggcat ttaggaatcc tgtttgctgt gaacgaagaa tgacgtgggt 180
 gataacgaat gcaaataata agactgtcag aaaagacaga gataaaataa acatataaaa 240
 aaatctgtag tttcttttcc ccacacagtt gcctacccag ggacagtggg gatcaaaccg 300
 ttctacgcag ttatcacaaa ggctgcaatg ggaggcgcgga gggggccgga aaatcttgca 360
 ggtgaaacag tatttaagtt tcacggctctg gccattgatg atgacttctt tggttctggg 420
 aggcgggacg tacccccctg aactgggtcg acgcggccgc gaattc 466

<210> 44
 <211> 153

<212> PRT
<213> Homo sapiens

<400> 44

Asn	Ser	Arg	Pro	Arg	Arg	Pro	Ser	Ser	Gly	Gly	Tyr	Arg	Pro	Pro	Pro	
1				5					10					15		
Arg	Thr	Lys	Glu	Val	Ile	Ile	Asn	Gly	Gln	Thr	Val	Lys	Leu	Lys	Tyr	
			20					25					30			
Cys	Phe	Thr	Cys	Lys	Ile	Phe	Arg	Pro	Pro	Arg	Ala	Ser	His	Cys	Ser	
			35				40					45				
Leu	Cys	Asp	Asn	Cys	Val	Glu	Arg	Phe	Asp	His	His	Cys	Pro	Trp	Val	
	50					55				60						
Gly	Asn	Cys	Val	Gly	Lys	Arg	Asn	Tyr	Arg	Phe	Phe	Tyr	Met	Phe	Ile	
65					70					75					80	
Leu	Ser	Leu	Ser	Phe	Leu	Thr	Val	Phe	Ile	Phe	Ala	Phe	Val	Ile	Thr	
				85					90					95		
His	Val	Ile	Leu	Arg	Ser	Gln	Gln	Thr	Gly	Phe	Leu	Asn	Ala	Leu	Lys	
			100					105					110			
Asp	Ser	Pro	Ala	Ser	Val	Leu	Glu	Ala	Val	Val	Cys	Phe	Phe	Ser	Val	
		115					120					125				
Trp	Ser	Ile	Val	Gly	Leu	Ser	Gly	Phe	His	Thr	Tyr	Leu	Ile	Ser	Ser	
	130					135					140					
Asn	Gln	Thr	Thr	Asn	Glu	Asp	Ile	Lys								
145					150											

<210> 45
<211> 395
<212> DNA
<213> Homo sapiens

<400> 45

ggatcctgtg	acaatctgat	ggccatacca	ggagcaagct	accaaggcgg	caagacctgc	60
cacgatgaaa	attatgcctc	cacccatggc	tatacgggcc	ttcttcactt	tgctgtctcc	120
cccacagcgc	agtgcacttc	atgcccacg	tggccacaaa	catggccagg	aagcccagca	180
ccagggagac	caccattagg	gctcgagtgg	cctgcaaggc	cgcggaacag	gcgagcaccg	240
agtcgtacat	tttgcagctc	atcatccccg	tgctctgcgt	gacgcagtcc	atccacagcc	300
ccttgtagat	ggcctggggc	gtgatgatgt	tgtcacccgc	ataggagctc	atctgccact	360
gcgggatggc	ggtgcgtcga	cgcggccgcg	aattc			395

<210> 46
<211> 126
<212> PRT
<213> Homo sapiens

<400> 46

Ile	Arg	Gly	Arg	Val	Asp	Ala	Pro	Pro	Ser	Arg	Ser	Gly	Arg	Ala	Pro	
1				5					10					15		
Met	Arg	Val	Thr	Thr	Ser	Ser	Arg	Pro	Arg	Pro	Cys	Thr	Arg	Gly	Cys	
			20					25					30			

Gly	Trp	Thr	Ala	Ser	Arg	Arg	Ala	Arg	Gly	Ala	Ala	Lys	Cys	Thr	Thr
		35					40					45			
Arg	Cys	Ser	Pro	Cys	Pro	Arg	Pro	Cys	Arg	Pro	Leu	Glu	Pro	Trp	Trp
	50					55					60				
Ser	Pro	Trp	Cys	Trp	Ala	Ser	Trp	Pro	Cys	Leu	Trp	Pro	Arg	Trp	Ala
	65				70					75					80
Ser	Ala	Leu	Arg	Cys	Gly	Gly	Asp	Asp	Lys	Val	Lys	Lys	Ala	Arg	Ile
				85					90					95	
Ala	Met	Gly	Gly	Gly	Ile	Ile	Phe	Ile	Val	Ala	Gly	Leu	Ala	Ala	Leu
			100					105					110		
Val	Ala	Cys	Ser	Trp	Tyr	Gly	His	Gln	Ile	Val	Thr	Gly	Ser		
		115					120					125			

<210> 47
 <211> 597
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (7)...(594)
 <223> n = A, C, G or T

<400> 47
 ggatccnanc tncnnacacn nacagagatc gacgnnnnct accaggtgag ccattgcggt 60
 aatatggact ttattnaagt aagttactta tattactgcc ttnccataca ctatntaatn 120
 ncatttgaat tactgagaga ctaatatgcc atgtctaaaa ctgtctcttt cataagtaat 180
 tttgngcctn cngctacnng aagcnaagnc aactcttcct tttttatata ctatganatg 240
 gcnccgangg cgaggagaan gctgaangnc tncgaactgg cagcgngan accgganngn 300
 acnangaagc gggnnncccn ttcgngcca nnntctttgg nnttatcacg gnnagccanc 360
 gctnnggnct gatagcgnct cgnncncccc agccggccan agtcgatgaa tccnaaaaag 420
 cggccatttt ccaccatgan attcggcaag caggcatcgc catgggtcac gacganatcc 480
 tcgccgncgg gcatgcncgc cttgagcctg gcgaacagtt cgngtggcgc gagcccctga 540
 tgctnttcgn ccaaatacat ctgatcgaca agaccggctt ccatccgagn acngnct 597

<210> 48
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (2)...(192)
 <223> Xaa = any amino acid

<400> 48
 Ser Xaa Xaa Ser Asp Gly Ser Arg Ser Cys Arg Ser Gly Phe Gly Arg
 1 5 10 15
 Xaa Ala Ser Gly Ala Arg Ala Xaa Arg Thr Val Arg Gln Ala Gln Gly

		20						25					30			
Xaa	His	Ala	Arg	Arg	Arg	Gly	Xaa	Arg	Arg	Asp	Pro	Trp	Arg	Cys	Leu	
		35					40					45				
Leu	Ala	Glu	Xaa	His	Gly	Gly	Lys	Trp	Pro	Leu	Phe	Xaa	Ile	His	Arg	
	50					55					60					
Leu	Trp	Pro	Ala	Gly	Xaa	Xaa	Gly	Xaa	Leu	Ser	Xaa	Xaa	Ser	Xaa	Gly	
65					70					75					80	
Xaa	Pro	Xaa	Gln	Arg	Xaa	Trp	Xaa	Arg	Xaa	Gly	Xaa	Pro	Leu	Xaa	Xaa	
			85					90					95			
Xaa	Xaa	Arg	Xaa	Xaa	Arg	Cys	Gln	Phe	Xaa	Xaa	Xaa	Gln	Xaa	Ser	Pro	
		100						105					110			
Arg	Xaa	Arg	Xaa	His	Xaa	Ile	Val	Tyr	Lys	Lys	Gly	Arg	Val	Xaa	Xaa	
	115						120					125				
Ala	Ser	Xaa	Ser	Xaa	Arg	Xaa	Lys	Ile	Thr	Tyr	Glu	Arg	Asp	Ser	Phe	
	130					135					140					
Arg	His	Gly	Ile	Leu	Val	Ser	Gln	Phe	Lys	Xaa	Xaa	Xaa	Ile	Val	Tyr	
145					150					155					160	
Gly	Lys	Ala	Val	Ile	Val	Thr	Tyr	Xaa	Asn	Lys	Val	His	Ile	Thr	Ala	
			165						170				175			
Met	Ala	His	Leu	Val	Xaa	Xaa	Val	Asp	Leu	Cys	Xaa	Cys	Xaa	Xaa	Xaa	
		180						185					190			

<210> 49
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (538)...(538)
 <223> n = A, C, G or T

<400> 49
 ggatccccac aaacacacag gactccctcc ctcccacaga gaacacaaag ttgttaactg 60
 aagaacaaga taaataatat gctagtccat ttactgatt ttaaagatac tgcaattttt 120
 atacatttcg atgatttttc aacatttttg agctgtttgg ctttgcagca cagcaattca 180
 tacactatac ntgtacaaaa ttaccagcaa gactggaatg atgtattaat agaaggcacc 240
 atcatgctta ttacattacc agagaacaaa aatacagtaa agacaatttt cactgtacac 300
 agcttaaaga aaggaaaaaa ggggaggagg agtgtgttga gcagccagcc atccctgtac 360
 tgaagagggg caggtagaaa aatcttagat atggagctac taaatctggt ctaatagtca 420
 agaccatcgc atttgaagtt ctaattttta ttatttagtt cataactaaa atgatttcct 480
 tctggaatat acttgtagtc ttgttaaggt ttatgtgtac acacgctgtc gacgcggncc 540
 cgaattc 547

<210> 50
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (107)...(107)
 <223> Xaa = any amino acid

<400> 50
 Asn Ser Arg Pro Arg Arg Gln Arg Val Tyr Thr Thr Leu Thr Arg Leu
 1 5 10 15
 Gln Val Tyr Ser Arg Arg Lys Ser Phe Leu Thr Lys Lys Leu Glu Leu
 20 25 30
 Gln Met Arg Trp Ser Leu Leu Asp Gln Ile Leu His Ile Asp Phe Ser
 35 40 45
 Thr Cys Pro Ser Ser Val Gln Gly Trp Leu Ala Ala Gln His Thr Pro
 50 55 60
 Pro Pro Leu Phe Ser Phe Leu Ala Val Tyr Ser Glu Asn Cys Leu Tyr
 65 70 75 80
 Cys Ile Phe Val Leu Trp Cys Asn Lys His Asp Gly Ala Phe Tyr Tyr
 85 90 95
 Ile Ile Pro Val Leu Leu Val Ile Leu Tyr Xaa Tyr Ser Val Ile Ala
 100 105 110
 Val Leu Gln Ser Gln Thr Ala Ala Lys Cys Lys Ile Ile Glu Met Tyr
 115 120 125
 Lys Asn Cys Ser Ile Phe Lys Ile Ser Lys Met Asp His Ile Ile Tyr
 130 135 140
 Leu Val Leu Gln Leu Thr Thr Leu Cys Ser Leu Trp Glu Gly Gly Ser
 145 150 155 160
 Pro Val Cys Leu Trp Gly Ser
 165

<210> 51
 <211> 742
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (512)...(741)
 <223> n = A, C, G or T

<400> 51
 ggatcctgag tcaagccaaa aaaaaaaaaa aaacccaaaac aaaacaaaaa aaacaaataa 60
 agccatgcc aatctcatctt gttttctgcg caagttaggt tttgtcaaga aagggtgtaa 120
 cgcaacttaa gtcatagtcc gcctagaagc atttgcggtg gacgatggag gggccggact 180
 cgtcatactc ctgcttgctg atccacatct gctggaaggt ggacagcgag gccaggatgg 240
 agccgccgat ccacacggag tacttgcgct caggaggagc aatgatcttg atcttcattg 300
 tgctgggtgc cagggcagtg atctccttct gcacccctgtc ggcaatgcc aaggatcatg 360
 tggtgccgcc agacagcact gtgttggtgc acaggtcttt gcggatgtcc acgtcacact 420
 tcatgatgga gttgaaggta gtttcgtgga tgccacagga ctccatgccc aggaaggaag 480
 gctggaagag tgcctcaggg cagcggaacc gntcattgcc aatgggtgatg acctggccgt 540

```

caggcancct cgtanctctt ctncagggag gagctggaan cagccgtggc catttcttgc 600
tcgaagtcca gcgncgacgt accnntaccn tntccttant gcctaccccn cgatttcccc 660
gctcgntcgn nntngtcenn ancnnntccc centtcnttg nncgnntnct cnnnngcgn 720
ncnecngcgn ntncncttn nt 742

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```

<210> 52
<211> 243
<212> PRT
<213> Homo sapiens

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<220>
<221> UNSURE
<222> (1)...(76)
<223> Xaa = any amino acid

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```

<400> 52
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Glu Xaa Xaa Xaa Xaa Glu
 1          5          10          15
Xaa Gly Xaa Xaa Gly Xaa Xaa Arg Xaa Ser Gly Glu Ile Xaa Gly
 20          25          30
Ala Xaa Arg Xaa Xaa Xaa Xaa Tyr Val Xaa Ala Gly Leu Arg Ala Arg
 35          40          45
Asn Gly His Gly Xaa Phe Gln Leu Leu Pro Xaa Glu Glu Xaa Arg Gly
 50          55          60
Cys Leu Thr Ala Arg Ser Ser Pro Leu Ala Met Xaa Gly Ser Ala Ala
 65          70          75          80
Leu Arg His Ser Ser Ser Leu Pro Ser Trp Ala Trp Ser Pro Val Ala
 85          90          95
Ser Thr Lys Leu Pro Ser Thr Pro Ser Ser Val Thr Trp Thr Ser Ala
 100          105          110
Lys Thr Cys Thr Pro Thr Gln Cys Cys Leu Ala Ala Pro Pro Cys Thr
 115          120          125
Leu Ala Leu Pro Thr Gly Cys Arg Arg Arg Ser Leu Pro Trp His Pro
 130          135          140
Ala Gln Arg Ser Arg Ser Leu Leu Leu Leu Ser Ala Ser Thr Pro Cys
 145          150          155          160
Gly Ser Ala Ala Pro Ser Trp Pro Arg Cys Pro Pro Ser Ser Arg Cys
 165          170          175
Gly Ser Ala Ser Arg Ser Met Thr Ser Pro Ala Pro Pro Ser Ser Thr
 180          185          190
Ala Asn Ala Ser Arg Arg Thr Met Thr Val Ala Leu His Pro Phe Leu
 195          200          205
Thr Lys Pro Asn Leu Arg Arg Lys Gln Asp Glu Ile Gly Met Ala Leu
 210          215          220
Phe Val Phe Phe Val Leu Phe Trp Phe Phe Phe Phe Trp Leu Asp
 225          230          235          240
Ser Gly Ser

```

<210> 53
 <211> 598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (214)...(597)
 <223> n = A, C, G or T

<400> 53
 ggatcctttc actgagtatt tgtcagggtc acactgggtg caagaagttt ctccttttatt 60
 tgaataagag ttggctgggc aaagtttgca gaaagaggag ccctgcttgt ctgcatacgt 120
 gccaggtttg caggggaagc attctgaagt gtaggccacc cctgttatgg caatgtttct 180
 caccagcaca ggcttgggta ctttgggtcca tacntgagaa ggctgtgggt ctccaataga 240
 ggacattatt gcctcgattt agctccacac tgtggaattc ccatcctttc tctgtgggtct 300
 tcatccacct ggagtcattt gcattgggct ggcactgggtc attctgaacg aaaaactcaa 360
 agatgatgct ggagtctgga tagtagtatt cgaagttaac ggtgccagat tgcttcaggt 420
 tgacggcgta catcagtgtg gctgtgcatt cgtccgtgtt ggaggcgatg tagtcgcccc 480
 ggggaacca cttggacgaa gtacagttcc cggtggactc agcagcactg tcatccagct 540
 ccatgntggc tgagaggctg gcanagccat gggncanntc atcccactca tcanacnc 598

<210> 54
 <211> 193
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(124)
 <223> Xaa = any amino acid

<400> 54
 Xaa Xaa Met Ser Gly Met Xaa Xaa Pro Met Ala Xaa Pro Ala Ser Gln
 1 5 10 15
 Pro Xaa Trp Ser Trp Met Thr Val Leu Leu Ser Pro Pro Gly Thr Val
 20 25 30
 Leu Arg Pro Ser Gly Phe Pro Gly Ala Thr Thr Ser Pro Pro Thr Arg
 35 40 45
 Thr Asn Ala Gln Pro His Cys Thr Pro Ser Thr Ser Asn Leu Ala Pro
 50 55 60
 Leu Thr Ser Asn Thr Thr Ile Gln Thr Pro Ala Ser Ser Leu Ser Phe
 65 70 75 80
 Ser Phe Arg Met Thr Ser Ala Ser Pro Met Gln Met Thr Pro Gly Gly
 85 90 95
 Arg Pro Gln Arg Lys Asp Gly Asn Ser Thr Val Trp Ser Ile Glu Ala
 100 105 110
 Ile Met Ser Ser Ile Gly Glu Pro Gln Pro Ser Xaa Val Trp Thr Lys
 115 120 125
 Val Pro Lys Pro Val Leu Val Arg Asn Ile Ala Ile Thr Gly Val Ala

130		135		140
Tyr Thr Ser Glu Cys Phe Pro Cys Lys Pro Gly Thr Tyr Ala Asp Lys				
145		150		155
Gln Gly Ser Ser Phe Cys Lys Leu Cys Pro Ala Asn Ser Tyr Ser Asn				
	165		170	
Lys Gly Glu Thr Ser Cys His Gln Cys Asp Pro Asp Lys Tyr Ser Val				
	180		185	190
Lys				

<210> 55
 <211> 657
 <212> DNA
 <213> Homo sapiens

<400> 55

ggatcccatg	aggtagtcgg	tcaggtcccg	gccagccagg	tccagacgca	ggatggcgtg	60
ggggagggcg	tagccctcgt	agatgggcac	cgtgtgggtg	accccgctctc	cagagtccat	120
gacaatgccca	gtggtgcgcc	cagaggcgta	gagggacagc	acggcctgga	tggccacgta	180
catggccggg	gtgttggaag	tctcaaacat	aatctgagtc	atcttctctc	tgttggcctt	240
gggggttcagg	ggggcctcgg	tcagcagcac	tgggtgctcc	tccggggcca	cgcgagctc	300
gttgtagaag	gtgtgggtgcc	agatcttctc	catgtcgtcc	cagttgggtga	cgatgccatg	360
ctcaatgggg	tacttcaggg	tcaggatgcc	acgcttgctc	tgggcctcgt	cgccacgta	420
ggagtccttc	tggcccatgc	ccaccatgac	gccctggtgt	ctggggcgcc	cgacgatgga	480
aggaaacacg	gctcggggag	cgctgtcccc	agcaaaaacca	gctttgcaca	tgccggagcc	540
attgtcaatg	accagcgcg	cgatctcttc	ttccattgcg	accggcagag	aaacgcgcgg	600
cggagcggcg	gaagaacaga	gtgcgagagt	tggcagcgtc	gacgcggccg	cgaattc	657

<210> 56
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 56

Glu Phe Ala Ala Ala Ser Thr Leu Pro Thr Leu Ala Leu Cys Ser Ser	
1	5
Ala Ala Pro Pro Arg Val Ser Leu Pro Val Ala Met Glu Glu Glu Ile	
	20
Ala Ala Leu Val Ile Asp Asn Gly Ser Gly Met Cys Lys Ala Gly Phe	
	35
Ala Gly Asp Asp Ala Pro Arg Ala Val Phe Pro Ser Ile Val Gly Arg	
	50
Pro Arg His Gln Gly Val Met Val Gly Met Gly Gln Lys Asp Ser Tyr	
65	70
Val Gly Asp Glu Ala Gln Ser Lys Arg Gly Ile Leu Thr Leu Lys Tyr	
	85
Pro Ile Glu His Gly Ile Val Thr Asn Trp Asp Asp Met Glu Lys Ile	
	100
Trp His His Thr Phe Tyr Asn Glu Leu Arg Val Ala Pro Glu Glu His	

	115		120		125										
Pro	Val	Leu	Leu	Thr	Glu	Ala	Pro	Leu	Asn	Pro	Lys	Ala	Asn	Arg	Glu
	130					135					140				
Lys	Met	Thr	Gln	Ile	Met	Phe	Glu	Thr	Phe	Asn	Thr	Pro	Ala	Met	Tyr
145					150					155					160
Val	Ala	Ile	Gln	Ala	Val	Leu	Ser	Leu	Tyr	Ala	Ser	Gly	Arg	Thr	Thr
			165						170					175	
Gly	Ile	Val	Met	Asp	Ser	Gly	Asp	Gly	Val	Thr	His	Thr	Val	Pro	Ile
			180					185					190		
Tyr	Glu	Gly	Tyr	Ala	Leu	Pro	His	Ala	Ile	Leu	Arg	Leu	Asp	Leu	Ala
		195					200					205			
Gly	Arg	Asp	Leu	Thr	Asp	Tyr	Leu	Met	Gly	Ser					
	210					215									

<210> 57
 <211> 237
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (211)...(232)
 <223> n = A, C, G or T

<400> 57
 ggatccacc ttcaacacct tacaagtaaa gacaatgaag aacagttgaa acatgcaaaa 60
 tatggagctt ttcatgtaat tactctttta ctgtttacca ttcactataa ttcacaatta 120
 aaattgtgtg actaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaggg ngganaggnc gacncggccg cnaattc 237

<210> 58
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (2)...(8)
 <223> Xaa = any amino acid

<400> 58
 Glu Xaa Ala Ala Xaa Ser Xaa Xaa Pro Pro Phe Phe Phe Phe Phe Phe
 1 5 10 15
 Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
 20 25 30
 Phe Cys Leu Val Thr Gln Phe Leu Ile Ile Val Asn Gly Lys Gln Lys
 35 40 45
 Ser Asn Tyr Met Lys Ser Ser Ile Phe Cys Met Phe Gln Leu Phe Phe
 50 55 60

Ile Val Phe Thr Cys Lys Val Leu Lys Val Gly Ser
65 70 75

<210> 59
<211> 199
<212> DNA
<213> Homo sapiens

<400> 59
ggatccctgg ctgccttctt catccgagga cgccgaggcc aagctcagca gcaccgcaca 60
cagcagcagc gtcagcccta tccggacccg catcctcttc tcggggccgg tgccaacccc 120
tagagctgtc gccttcgcct ctgccaccac ggactcagcc accaccgccg cctcgccgcg 180
tcgacgcggc cgcgaaattc 199

<210> 60
<211> 66
<212> PRT
<213> Homo sapiens

<400> 60
Asn Ser Arg Pro Arg Arg Arg Gly Glu Ala Ala Val Val Ala Glu Ser
1 5 10 15
Val Val Ala Glu Ala Lys Ala Thr Ala Leu Gly Val Gly Thr Gly Pro
20 25 30
Glu Arg Arg Met Arg Val Arg Ile Gly Leu Thr Leu Leu Leu Cys Ala
35 40 45
Val Leu Leu Ser Leu Ala Ser Ala Ser Ser Asp Glu Glu Gly Ser Gln
50 55 60
Gly Ser
65

<210> 61
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (456)...(489)
<223> n = A, C, G or T

<400> 61
ggatccggca accatgacca gcgagaccac caccagggca ccaaagagga tcttggtgag 60
gcagttcact tccaagtcga acaggccgat cttacttcgg ggatttgagg tattcatgac 120
actccggagt tctctgccag tgtaaagaac aacacccaca acagtacctg atgcgaccac 180
agtgccagcc cacagcgtgt tctctatgct caggctctcg ctgatcgggg ggtcgctgtc 240
ttctcgggta aaagttccca cgaagttgtg aatgtcaata tttggctctt ctgcgtacac 300
atacgatcga atctgaagaa ggtcggcggc cgtgggggagc ctctgcgtgc aggccacggg 360

aagccgcagc ttccagtcgcg tctcccccac cagctgatcc gtccgcaaga agcatgaccc 420
 gtttttttct gatgtcctca ggaagatcat gtcggngggg acccgctggt cgangcggcc 480
 nccaattcn 489

<210> 62
 <211> 163
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(12)
 <223> Xaa = any amino acid

<400> 62
 Xaa Ile Gly Gly Arg Xaa Asp Gln Arg Val Pro Xaa Asp Met Ile Phe
 1 5 10 15
 Leu Arg Thr Ser Glu Lys Asn Gly Ser Cys Phe Leu Arg Thr Asp Gln
 20 25 30
 Leu Asp Gly Glu Thr Asp Trp Lys Leu Arg Leu Pro Val Ala Cys Thr
 35 40 45
 Gln Arg Leu Pro Thr Ala Ala Asp Leu Leu Gln Ile Arg Ser Tyr Val
 50 55 60
 Tyr Ala Glu Glu Pro Asn Ile Asp Ile His Asn Phe Val Gly Thr Phe
 65 70 75 80
 Thr Arg Glu Asp Ser Asp Pro Pro Ile Ser Glu Ser Leu Ser Ile Glu
 85 90 95
 Asn Thr Leu Trp Ala Gly Thr Val Val Ala Ser Gly Thr Val Val Gly
 100 105 110
 Val Val Leu Tyr Thr Gly Arg Glu Leu Arg Ser Val Met Asn Thr Ser
 115 120 125
 Asn Pro Arg Ser Lys Ile Gly Leu Phe Asp Leu Glu Val Asn Cys Leu
 130 135 140
 Thr Lys Ile Leu Phe Gly Ala Leu Val Val Val Ser Leu Val Met Val
 145 150 155 160
 Ala Gly Ser

<210> 63
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (297)...(297)
 <223> n = A, C, G or T

<400> 63

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ggatccgagt gctgatttgt acattgattc aggggagtaa ttggggagaa ggaaaaaggt 60
ggggtggaat gctggctcgg ccctgccagt cacatgggtg gcagcagggc agctcagagg 120
ttgcctgaag agttcgtttt tcttgctcca gtccatctgc aggggcccgt ttgctgctgc 180
gtttctggtg ggccctctct ttggccatgg ccaggagat gttgaagtct aggatggggt 240
cggaggagga ggtagacgag ggcgctgtgg agtcctgttt tggggggctg tcttggnaat 300
tcagctcctc gctggtgtca ctggaggcgg atctcaccag ggctggcctg gggctctcca 360
aggctgcctc tggtcgacgc ggccgcgaat tc 392

```

<210> 64
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (30)...(30)
 <223> Xaa = any amino acid

```

<400> 64
Ile Arg Gly Arg Val Asp Gln Arg Gln Pro Trp Arg Ala Pro Gly Gln
 1           5           10           15
Pro Trp Asp Pro Pro Pro Val Thr Pro Ala Arg Ser Ile Xaa Lys Thr
          20          25          30
Ala Pro Gln Asn Arg Thr Pro Gln Arg Pro Arg Leu Pro Pro Pro Pro
          35          40          45
Thr Pro Ser Thr Ser Thr Ser Pro Trp Pro Trp Pro Lys Arg Gly Pro
          50          55          60
Thr Arg Asn Ala Ala Ala Asn Gly Pro Leu Gln Met Asp Trp Ser Lys
65          70          75          80
Lys Asn Glu Leu Phe Arg Gln Pro Leu Ser Cys Pro Ala Ala Thr His
          85          90          95
Val Thr Gly Arg Ala Glu Pro Ala Phe His Pro Thr Phe Phe Leu Leu
          100         105         110
Pro Asn Tyr Ser Pro Glu Ser Met Tyr Lys Ser Ala Leu Gly Ser
          115         120         125

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<210> 65
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (551)...(575)
 <223> n = A, C, G or T

```

<400> 65
ggatcctttc acaaaccag caaccatcac aaacagaagg acgagaatat taacagctgt 60
gaagacttta ttcaccaag cagactcttt tactccaaaa gacaaaagac ctgctagaag 120

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taatataagg cacacagcaa aaaaatcggg atattctgca agaccagtgt aattcattct 180
gaagtatgtc ctcaaaaact gaccaatctg tttgctaaga agttcatcaa aggtgccact 240
ccaggctctt gcaacacttg atgtacctat cacatacgat aaaatgagat tccagccagt 300
gatgaaggcc cacagctctc cgacagtcac gtaggtgtac aaatatgcag acccgtctt 360
gggaacacgg gccccaaatt cggcatagca gaggccagcc atcactgaag ccagggcagc 420
aatgaggaag gacaccacga tgctggggcc cgagtctgcc ttggccacct cccagcgag 480
gacataaacc ccggccccaa ggggtacttcc aacgcccagg gcaatgaggt ccatggtgga 540
taagcagcgg nataatttgg ngnnntntan actgncc 577

```

```

<210> 66
<211> 192
<212> PRT
<213> Homo sapiens

```

```

<220>
<221> UNSURE
<222> (1)...(9)
<223> Xaa = any amino acid

```

```

<400> 66
Xaa Ser Xaa Xaa Xaa Xaa Lys Leu Xaa Arg Cys Leu Ser Thr Met Asp
1      5      10      15
Leu Ile Ala Leu Gly Val Gly Ser Thr Leu Gly Ala Gly Val Tyr Val
20      25      30
Leu Ala Gly Glu Val Ala Lys Ala Asp Ser Gly Pro Ser Ile Val Val
35      40      45
Ser Phe Leu Ile Ala Ala Leu Ala Ser Val Met Ala Gly Leu Cys Tyr
50      55      60
Ala Glu Phe Gly Ala Arg Val Pro Lys Thr Gly Ser Ala Tyr Leu Tyr
65      70      75      80
Thr Tyr Val Thr Val Gly Glu Leu Trp Ala Phe Ile Thr Gly Trp Asn
85      90      95
Leu Ile Leu Ser Tyr Val Ile Gly Thr Ser Ser Val Ala Arg Ala Trp
100     105     110
Ser Gly Thr Phe Asp Glu Leu Leu Ser Lys Gln Ile Gly Gln Phe Leu
115     120     125
Arg Thr Tyr Phe Arg Met Asn Tyr Thr Gly Leu Ala Glu Tyr Pro Asp
130     135     140
Phe Phe Ala Val Cys Leu Ile Leu Leu Leu Ala Gly Leu Leu Ser Phe
145     150     155     160
Gly Val Lys Glu Ser Ala Trp Val Asn Lys Val Phe Thr Ala Val Asn
165     170     175
Ile Leu Val Leu Leu Phe Val Met Val Ala Gly Phe Val Lys Gly Ser
180     185     190

```

```

<210> 67
<211> 719
<212> DNA
<213> Homo sapiens

```

<220>
 <221> unsure
 <222> (500)...(714)
 <223> n = A, C, G or T

<400> 67
 ggatcctggt gcaagggcaa aaaaaaaaca caacacaaga aggaataagt cctgaattat 60
 tggcttcac acatccacct tctccacccc aaaatggcac aaaagaaaca gttaccacac 120
 cctgcagacc ttttggtgta aaagagatga tgatgaactg gggtaggaac aggtcatgaa 180
 gatctgtcta aaaaagtccc attcagggtga gtttgtacac accatcaagc agcgagcctc 240
 tcatcaatta gggtaggga accaagggtc gattctcagg aaatcacaat ttcattcatt 300
 tactcaatat gaatttataa agtgcctaca tattatccgc ttccacttgc agccatttct 360
 agataaaaaa gaaacctggc atctcaaagg ggccaccaag ttctccccga gtctaccact 420
 gaaaggacct tttttggaaa taggtttctt ctgtacctct ggaagggtaa catcttaaag 480
 ctgaatcaac tttaacctgn agggctaaca tatttagcaa tacttgcatc ccagacatac 540
 aacattaaaa gatacactaa attctgaagg tagctatgct gcaaaatagt tttaaaatta 600
 aacaattgta cagtattcat ttatgcttgg aaattccagt cctagaccaa gcttgtggcc 660
 accancattg accgttcttg ccatccagaa gagctgacag tgtcagttta atancctgg 719

<210> 68
 <211> 227
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (2)...(67)
 <223> Xaa = any amino acid

<400> 68
 Arg Xaa Leu Asn His Cys Gln Leu Phe Trp Met Ala Arg Thr Val Asn
 1 5 10 15
 Xaa Gly Gly His Lys Leu Gly Leu Gly Leu Glu Phe Pro Ser Ile Asn
 20 25 30
 Glu Tyr Cys Thr Ile Val Phe Asn Tyr Phe Ala Ala Leu Pro Ser Glu
 35 40 45
 Phe Ser Val Ser Phe Asn Val Val Cys Leu Gly Cys Lys Tyr Cys Ile
 50 55 60
 Cys Pro Xaa Arg Leu Lys Leu Ile Gln Leu Asp Val Thr Leu Pro Glu
 65 70 75 80
 Val Gln Lys Lys Pro Ile Ser Lys Lys Gly Pro Phe Ser Gly Arg Leu
 85 90 95
 Gly Glu Asn Leu Val Ala Pro Leu Arg Cys Gln Val Ser Phe Leu Ser
 100 105 110
 Arg Asn Gly Cys Lys Trp Lys Arg Ile Ile Cys Arg His Phe Val Asn
 115 120 125
 Ser Tyr Val Asn Glu Asn Cys Asp Phe Leu Arg Ile Glu Pro Trp Phe
 130 135 140
 Pro Asn Pro Asn Glu Ala Arg Cys Leu Met Val Cys Thr Asn Ser Pro

145					150					155					160
Glu	Trp	Asp	Phe	Phe	Arg	Gln	Ile	Phe	Met	Thr	Cys	Ser	His	Pro	Ser
				165					170					175	
Ser	Ser	Ser	Ser	Leu	Leu	His	Gln	Lys	Val	Cys	Arg	Val	Trp	Leu	Phe
			180					185					190		
Leu	Leu	Cys	His	Phe	Gly	Val	Glu	Lys	Val	Asp	Val	Met	Lys	Pro	Ile
		195					200					205			
Ile	Gln	Asp	Leu	Phe	Leu	Leu	Val	Leu	Cys	Phe	Phe	Phe	Ala	Leu	Ala
	210					215					220				
Pro	Gly	Ser													
225															

<210> 69
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 69
 ggatccgcgg tacgcccgcc cgtgctcgcg cgtcagcgac gcgatgtcct cgcgcatctc 60
 gttgatgacc gggagcagaa actgctcgaa atcctcctcg ggctccagca cctccacttc 120
 ctccggttcc gccagctcga cgatgtccag gggccgcgcatc tcttcccact gcctcggaac 180
 cgcaatagcg atgtctgttg gagagagaaa accgacactc gctatgctta gcaatagaga 240
 gccggaatat tcctgaaaac ttttaccctt tttcaacttt tcttctcaga ggtcgacgcg 300
 gccgcgaatt c 311

<210> 70
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 70															
Ile	Arg	Gly	Arg	Val	Asp	Leu	Glu	Glu	Lys	Leu	Lys	Lys	Gly	Lys	Ser
1				5					10					15	
Phe	Gln	Glu	Tyr	Ser	Gly	Ser	Leu	Leu	Leu	Ser	Ile	Ala	Ser	Val	Gly
			20					25					30		
Phe	Leu	Ser	Pro	Thr	Asp	Ile	Ala	Ile	Ala	Val	Pro	Arg	Gln	Trp	Glu
		35					40					45			
Glu	Met	Arg	Pro	Leu	Asp	Ile	Val	Glu	Leu	Ala	Glu	Pro	Glu	Glu	Val
	50					55					60				
Glu	Val	Leu	Glu	Pro	Glu	Glu	Asp	Phe	Glu	Gln	Phe	Leu	Leu	Pro	Val
65					70				75					80	
Ile	Asn	Glu	Met	Arg	Glu	Asp	Ile	Ala	Ser	Leu	Thr	Arg	Glu	His	Gly
				85					90					95	
Arg	Ala	Tyr	Arg	Gly	Ser										
				100											

<210> 71
 <211> 501

<212> DNA
<213> Homo sapiens

<400> 71
ggatccggtg ctgccaaatta aaaaaaaaaac tgtaaatacat cttaccaccc aaaagtgata 60
tggaactg tttgaatctg agcatggaca tgggttagt catcttttgg aattataagt 120
gaaagtgata ggtaactcct tgtgttccat ttctcagagt agattgctat atccaaatga 180
tcatgaacac ccctcccatc ccacactcag atggaaagca gccagaaccc ctgccactgg 240
attcttcagc acccttgga cagtctccaa ctgacacttc ccagcagggg aggagggcag 300
gcacctttgg tgactcttca gtgagactcc atcgacattc agaatcttaa aatgttggtg 360
atgaaaacca tggacctcca agtcattcctt accaacctta aatgtagtgt tgtgacatcc 420
aacgaaggac ttccacgtca cgtgggaata aatttgaaca gatacatcca attgaacata 480
ggtcgacgcg gccgcgaatt c 501

<210> 72
<211> 163
<212> PRT
<213> Homo sapiens

<400> 72
Glu Phe Ala Ala Ala Ser Thr Tyr Val Gln Leu Asp Val Ser Val Gln
1 5 10 15
Ile Tyr Ser His Val Thr Trp Lys Ser Phe Val Gly Cys His Asn Thr
20 25 30
Thr Phe Lys Val Gly Lys Asp Asp Leu Glu Val His Gly Phe His Tyr
35 40 45
Gln His Phe Lys Ile Leu Asn Val Asp Gly Val Ser Leu Lys Ser His
50 55 60
Gln Arg Cys Leu Pro Ser Ser Pro Ala Gly Lys Cys Gln Leu Glu Thr
65 70 75 80
Val Pro Arg Val Leu Lys Asn Pro Val Ala Gly Val Leu Ala Ala Phe
85 90 95
His Leu Ser Val Gly Trp Glu Gly Cys Ser Ser Phe Gly Tyr Ser Asn
100 105 110
Leu Leu Glu Met Glu His Lys Glu Leu Pro Ile Thr Phe Thr Tyr Asn
115 120 125
Ser Lys Arg Leu Gln Pro Cys Pro Cys Ser Asp Ser Asn Ser Phe Pro
130 135 140
Tyr His Phe Trp Val Val Arg Phe Thr Val Phe Phe Leu Ile Gly Ser
145 150 155 160
Thr Gly Ser

<210> 73
<211> 747
<212> DNA
<213> Homo sapiens

<220>

<221> unsure
 <222> (139)...(139)
 <223> n = A, C, G or T

<400> 73
 ggatcctggt gcttcaaaaag tcaattttat agaatcccaa ggtgtctgtt ctttggatat 60
 gagtcggaaa tgaggaggat ttcttggaga aacttctggg gcaggaagat accagttttt 120
 cctgatcaga aagtgcacnt ggaagatacc aaggaaaacc acaaagaggt gcattctcct 180
 cacagtgagc tcggatacta tcattgatct caggaatgtg aggggttatg tgagaaattc 240
 cagtataatc aaacccattg atccatattc cagagtcctg ttttaactgca tttccttcca 300
 agtcatggaa tgttctagtc atatgctgaa gaaacactct ctttggcttc ggattagcag 360
 gattggagct atatggaaaa aatgttccac tgcaaacaag gaggaatgta attgcacata 420
 ccaaagttaa agttagcatg gttttttttg tgctcttggc aaggtagatg aagttaatca 480
 tgtaataaaa tcttttcgca agagtatgta taagtattat tttggctaca gttgcagttc 540
 catacagaca aacggagacc atagaagtgg ttataccatg agagagactg tccaataaga 600
 gagatgaaca ctgctataat gagaacggta acaaggctag tgaaccagct gatcaaagtg 660
 atgccaagtc cacacaagaa gtccttcttg tagttaccag tcttatgttt gggctgcaaa 720
 aattttttgc ccaggtacaa aacaaca 747

<210> 74
 <211> 238
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (192)...(192)
 <223> Xaa = any amino acid

<400> 74
 Cys Cys Phe Val Pro Gly Gln Lys Ile Phe Ala Ala Gln Thr Asp Trp
 1 5 10 15
 Leu Gln Glu Gly Leu Leu Val Trp Thr Trp His His Phe Asp Gln Leu
 20 25 30
 Val His Pro Cys Tyr Arg Ser His Tyr Ser Ser Val His Leu Ser Tyr
 35 40 45
 Trp Thr Val Ser Leu Met Val Pro Leu Leu Trp Ser Pro Phe Val Cys
 50 55 60
 Met Glu Leu Gln Leu Pro Lys Tyr Leu Tyr Ile Leu Leu Arg Lys Asp
 65 70 75 80
 Phe Ile Thr Leu Thr Ser Ser Thr Leu Pro Arg Ala Gln Lys Lys Pro
 85 90 95
 Cys Leu Leu Trp Tyr Val Gln Leu His Ser Ser Leu Phe Ala Val Glu
 100 105 110
 His Phe Phe His Ile Ala Pro Ile Leu Leu Ile Arg Ser Gln Arg Glu
 115 120 125
 Cys Phe Phe Ser Ile Leu Glu His Ser Met Thr Trp Lys Glu Met Gln
 130 135 140
 Leu Asn Gly Thr Leu Glu Tyr Gly Ser Met Gly Leu Ile Ile Leu Glu
 145 150 155 160

Phe	Leu	Thr	Pro	Leu	Thr	Phe	Leu	Arg	Ser	Met	Ile	Val	Ser	Glu	Leu
				165					170					175	
Thr	Val	Arg	Arg	Met	His	Leu	Phe	Val	Val	Phe	Leu	Gly	Ile	Phe	Xaa
			180					185					190		
Val	His	Phe	Leu	Ile	Arg	Lys	Asn	Trp	Tyr	Leu	Pro	Ala	Pro	Glu	Val
		195					200					205			
Ser	Pro	Arg	Asn	Pro	Pro	His	Phe	Arg	Leu	Ile	Ser	Lys	Glu	Gln	Thr
	210					215					220				
Pro	Trp	Asp	Ser	Ile	Lys	Leu	Thr	Phe	Glu	Ala	Thr	Gly	Ser		
225					230					235					

<210> 75
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (712)...(712)
 <223> n = A, C, G or T

<400> 75

ggatccgggc	acttctaaac	atctagatag	actagatggt	tcaagtaagg	agttaatttg	60
tctactatgt	atacagcagt	cttgaataaa	ctgcaaacat	gtaacaacag	ttataatttg	120
aaagagtctt	ccaaatgtga	acattctggc	ctagaaccct	tcccatctcc	atcaaccag	180
aagacatcaa	attttcagaa	gacaatcttt	cctaggactt	gtaaaacaaa	atgtacaaaa	240
tatattagtt	tactaactct	acttttgtca	tacactggca	acctctttta	catccagaaa	300
gactagatgt	tgtcaattag	gactcgtctg	tcctttatgt	acactatata	cacagataag	360
taaaacaaaa	tgcacagaca	taatgattca	tcttgccctg	ctgtaaacag	gatggcatag	420
agctctctgc	acctccccct	cctctctcct	cccctgaacc	actgcacaaa	cacaatgagt	480
attactcaac	aggtgatttg	gccattcccc	cccaaaaata	tttcctatga	attgtaacaa	540
aaaggatatt	acaaaatgtg	attttgctac	ctctaatttt	aacatatcag	gcacttcaga	600
acatctaaaa	agaagagaca	tttcaaaaaa	gcttagcatt	gtcaactata	tacacagtag	660
tgaggaataa	aatgcacaca	aaacaatgga	tagaatatga	aatgtcttc	tn	712

<210> 76
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 76

Arg	Arg	His	Phe	His	Ile	Leu	Ser	Ile	Val	Leu	Cys	Ala	Phe	Tyr	Ser
1				5					10					15	
Ser	Leu	Leu	Cys	Ile	Leu	Thr	Met	Leu	Ser	Phe	Phe	Glu	Met	Ser	Leu
			20					25					30		
Leu	Phe	Arg	Cys	Ser	Glu	Val	Pro	Asp	Met	Leu	Lys	Leu	Glu	Val	Ala
		35					40					45			
Lys	Ser	His	Phe	Val	Asn	Thr	Phe	Leu	Leu	Gln	Phe	Ile	Gly	Asn	Ile
	50					55					60				

Phe	Gly	Gly	Glu	Trp	Pro	Asn	His	Leu	Leu	Ser	Asn	Thr	His	Cys	Val
65					70					75					80
Cys	Ala	Val	Val	Gln	Gly	Arg	Arg	Glu	Glu	Gly	Glu	Val	Gln	Arg	Ala
				85					90					95	
Leu	Cys	His	Pro	Val	Tyr	Ser	Glu	Ala	Arg	Ile	Ile	Met	Ser	Val	His
			100					105					110		
Phe	Val	Leu	Leu	Ile	Cys	Val	Tyr	Ser	Val	His	Lys	Gly	Gln	Thr	Ser
		115					120					125			
Pro	Asn	Gln	His	Leu	Val	Phe	Leu	Asp	Val	Lys	Glu	Val	Ala	Ser	Val
	130					135					140				
Gln	Lys	Ser	Thr	Asn	Ile	Phe	Cys	Thr	Phe	Cys	Phe	Thr	Ser	Pro	Arg
145				150						155					160
Lys	Asp	Cys	Leu	Leu	Lys	Ile	Cys	Leu	Leu	Gly	Trp	Arg	Trp	Glu	Gly
			165					170						175	
Phe	Ala	Arg	Met	Phe	Thr	Phe	Gly	Arg	Leu	Phe	Gln	Ile	Ile	Thr	Val
			180				185						190		
Val	Thr	Cys	Leu	Gln	Phe	Ile	Gln	Asp	Cys	Cys	Ile	His	Ser	Arg	Gln
		195					200					205			
Ile	Asn	Ser	Leu	Leu	Glu	Thr	Ser	Ser	Leu	Ser	Arg	Cys	Leu	Glu	Val
	210					215					220				
Pro	Gly	Ser													
225															

<210> 77
 <211> 605
 <212> DNA
 <213> Homo sapiens

<400> 77

ggatccctgc	caaaggttta	aaggtatgtc	cgccatgcat	tcctcccca	agtgcacact	60
gatggcagat	acacttctta	caagtccagc	aaaatacact	aagtttttca	tggtgatttt	120
cacatttgct	cttttcattt	tcttcatggt	tggtgagact	gcagagttga	agagtatcaa	180
gctgttggtg	tacttcttct	gcccaacgac	aattttactag	ttctcgtagc	tggtgaggag	240
cacggcaatg	aggacattga	gctctctgct	ctgtcagcca	gcgcctaata	cagctgaaac	300
aacacagttt	ggagcaatga	ggacacaggc	gtgcatcccg	caatttctcc	atacaaatga	360
aacatcgga	aacctcagca	atgctctcca	cgctctgttc	atccattgcc	tccggctctc	420
ggcggggccg	ctggcgaccc	gcaggctccg	cagtctgacc	tcttaggcgc	cggcccagag	480
tcgccagatc	aaatcgccga	taaaagcccg	gcgcccacgt	cagggggctc	tgacaaccgc	540
cccacctgcg	cgccccatct	cttcagggtc	agcgccgcct	accccgtcga	cgcgggccgcg	600
aattc						605

<210> 78
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 78

Ile	Arg	Gly	Arg	Val	Asp	Gly	Val	Gly	Gly	Ala	Gly	Pro	Glu	Glu	Met
1				5				10					15		

Gly	Arg	Ala	Gly	Gly	Ala	Val	Val	Arg	Ala	Pro	Arg	Gly	Arg	Arg	Ala
			20					25				30			
Phe	Ile	Gly	Asp	Leu	Ile	Trp	Arg	Pro	Arg	Ala	Gly	Ala	Glu	Val	Arg
		35					40				45				
Leu	Arg	Ser	Leu	Arg	Val	Ala	Ser	Gly	Pro	Ala	Glu	Ser	Arg	Arg	Gln
	50					55					60				
Trp	Met	Asn	Arg	Ala	Trp	Arg	Ala	Leu	Leu	Arg	Phe	Ser	Asp	Val	Ser
65					70					75				80	
Phe	Val	Trp	Arg	Asn	Cys	Gly	Met	His	Ala	Cys	Val	Leu	Ile	Ala	Pro
				85					90					95	
Asn	Cys	Val	Val	Ser	Ala	Val	Leu	Gly	Ala	Gly	Gln	Ser	Arg	Glu	Leu
			100					105					110		
Asn	Val	Leu	Ile	Ala	Val	Leu	His	Ser	Ser	Tyr	Glu	Asn	Ile	Val	Val
		115					120					125			
Gly	Gln	Lys	Lys	His	Asn	Ser	Leu	Ile	Leu	Phe	Asn	Ser	Ala	Val	Ser
	130					135					140				
Pro	Asn	Met	Lys	Lys	Met	Lys	Arg	Thr	Asn	Val	Lys	Ile	Thr	Met	Lys
145					150					155					160
Asn	Leu	Val	Tyr	Phe	Ala	Gly	Leu	Val	Arg	Ser	Val	Ser	Ala	Ile	Ser
				165					170					175	
Val	His	Phe	Gly	Glu	Glu	Cys	Met	Ala	Asp	Ile	Pro	Leu	Asn	Leu	Trp
			180					185					190		
Gln	Gly	Ser													
		195													

<210> 79
 <211> 875
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> unsure
 <222> (569)...(875)
 <223> n = A, C, G or T

<400> 79
 ggatccatta cctttgaaag agccaaaaaa caaaaaaaaaa aaaaaaaaaa aattaccatg 60
 ccagttttat tcccgttgaa tatttacacc ttggacagca aaccttgctc acataaagta 120
 gaaaacagat acaataaaac atggcttgaa aaatgaccag agtatgcacc tgtagtactg 180
 tacactaaat aaaatacaca aggcagcaat acttaggggc cagaaacact gcttactaca 240
 agtcagttac ggaatcataa tttacagtaa aaatgggcac gtcccaaggc tcaatttttc 300
 tttttctttt gtcattttaca gtagaataaa tattttgttg ctattgctac actttaattt 360
 acattctaac ctattaaatg cagaaagcta gtgtaaagca tatagattaa gtgtaggtcc 420
 catacgtatg acagtttggt caagactagt aggtttttgt ttttgtatct ttttttaact 480
 tattaaatgg ctagtgggaa agatttgtgc ttgtgatcag ctcttaactt caattttaca 540
 tcaaaacgtc cctgaaaacg gtctttctna ctggacccaa tgttctcacc gtacgcctta 600
 cactntatgc gaattcagtg tccatggtaa gatgggtgaa tgtacggccg caaggggctt 660
 naagtanttg gcttgaagga attgcctagt ccggaaatct gcaaggaaac caggggagtt 720
 gccagtccaa atctcccatt ccacttatct tactttatnn ttgccgtgac tgacggaagg 780

ctttgggtna cttatcntgg gaagntccag gctatttttg agctagttga nctaactggt 840
 gnctttaaaa gccggttgcc ttgaccaa attan 875

<210> 80
 <211> 276
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (11)...(96)
 <223> Xaa = any amino acid

<400> 80
 Asn Phe Gly Gln Arg Gln Pro Ala Phe Lys Xaa Thr Ser Xaa Asn Leu
 1 5 10 15
 Gln Asn Ser Leu Xaa Leu Pro Xaa Ile Ser Xaa Pro Lys Pro Ser Val
 20 25 30
 Ser His Gly Xaa Xaa Val Arg Val Glu Trp Glu Ile Trp Thr Gly Asn
 35 40 45
 Ser Pro Gly Phe Leu Ala Asp Phe Arg Thr Arg Gln Phe Leu Gln Ala
 50 55 60
 Xaa Tyr Xaa Lys Pro Leu Ala Ala Val His Ser Pro Ile Leu Pro Trp
 65 70 75 80
 Thr Leu Asn Ser His Xaa Val Gly Val Arg Glu His Trp Val Gln Xaa
 85 90 95
 Glu Arg Pro Phe Ser Gly Thr Phe Cys Lys Ile Glu Val Lys Ser Ser
 100 105 110
 Gln Ala Gln Ile Phe Pro Thr Ser His Leu Ile Ser Lys Lys Ile Gln
 115 120 125
 Lys Gln Lys Pro Thr Ser Leu Glu Gln Thr Val Ile Arg Met Gly Pro
 130 135 140
 Thr Leu Asn Leu Tyr Ala Leu His Leu Ser Ala Phe Asn Arg Leu Glu
 145 150 155 160
 Cys Lys Leu Lys Cys Ser Asn Ser Asn Lys Ile Phe Ile Leu Leu Met
 165 170 175
 Thr Lys Glu Lys Glu Lys Leu Ser Leu Gly Thr Cys Pro Phe Leu Leu
 180 185 190
 Ile Met Ile Pro Leu Thr Cys Ser Lys Gln Cys Phe Trp Pro Leu Ser
 195 200 205
 Ile Ala Ala Leu Cys Ile Leu Phe Ser Val Gln Tyr Tyr Arg Cys Ile
 210 215 220
 Leu Trp Ser Phe Phe Lys Pro Cys Phe Ile Val Ser Val Phe Tyr Phe
 225 230 235 240
 Met Ala Arg Phe Ala Val Gln Gly Val Asn Ile Gln Arg Glu Asn Trp
 245 250 255
 His Gly Asn Phe Phe Phe Phe Phe Leu Phe Phe Gly Ser Phe Lys
 260 265 270
 Gly Asn Gly Ser
 275

<210> 81
 <211> 631
 <212> DNA
 <213> Homo sapiens

<400> 81
 ggatccctcc acctcgatct tgccgcagtc tgcgatgata acatccttca ggggtttatc 60
 ccggctgtct gtcttggtgc tctccacctt ccgcaccacc tccatgccct ctagaacttt 120
 gccaaacacc acatgcttgc catctagcca ggctgtcttg actgtcgtga tgaagaactg 180
 ggagccgttg gtgtctttgc ctgctgtggc catgctcacc cagccaggcc cgtagtgctt 240
 cagtttgaag ttctcatcgg ggaagcgcct accgtagatg ctctttcctc ctgtgccatc 300
 tcccctggtg aagtctccgc cctggatcat gaagtccttg attacacgat ggaatttgct 360
 gttttttag ccaaactcctt tctctcctgt agctaaggcc acaaaaattat ccactgtttt 420
 tggaacagtc tttccgaaga gaccaaagat caccgcgcct acatcttcat ctccaattcg 480
 taggtcaaaa tacaccttga cggtgacttt gggccccttc ttcttctcat cggccgcaga 540
 aggtcccggc agcagcagga agaagacgga cccgcgatg aaggcggcgg caaggagcac 600
 ccttatgttg cgtcgacgcg gccgcgaatt c 631

<210> 82
 <211> 210
 <212> PRT
 <213> Homo sapiens

<400> 82
 Asn Ser Arg Pro Arg Arg Arg Asn Ile Arg Val Leu Leu Ala Ala Ala
 1 5 10 15
 Phe Ile Ala Gly Ser Val Phe Phe Leu Leu Leu Pro Gly Pro Ser Ala
 20 25 30
 Ala Asp Glu Lys Lys Lys Gly Pro Lys Val Thr Val Lys Val Tyr Phe
 35 40 45
 Asp Leu Arg Ile Gly Asp Glu Asp Val Gly Arg Val Ile Phe Gly Leu
 50 55 60
 Phe Gly Lys Thr Val Pro Lys Thr Val Asp Asn Phe Val Ala Leu Ala
 65 70 75 80
 Thr Gly Glu Lys Gly Phe Gly Tyr Lys Asn Ser Lys Phe His Arg Val
 85 90 95
 Ile Lys Asp Phe Met Ile Gln Gly Gly Asp Phe Thr Arg Gly Asp Gly
 100 105 110
 Thr Gly Gly Lys Ser Ile Tyr Gly Glu Arg Phe Pro Asp Glu Asn Phe
 115 120 125
 Lys Leu Lys His Tyr Gly Pro Gly Trp Val Ser Met Ala Asn Ala Gly
 130 135 140
 Lys Asp Thr Asn Gly Ser Gln Phe Phe Ile Thr Thr Val Lys Thr Ala
 145 150 155 160
 Trp Leu Asp Gly Lys His Val Val Phe Gly Lys Val Leu Glu Gly Met
 165 170 175
 Glu Val Val Arg Lys Val Glu Ser Thr Lys Thr Asp Ser Arg Asp Lys
 180 185 190

Pro Leu Lys Asp Val Ile Ile Ala Asp Cys Gly Lys Ile Glu Val Glu
195 200 205
Gly Ser
210

<210> 83
<211> 452
<212> DNA
<213> Homo sapiens

<400> 83
ggatccgccc attgtaattc catgaataag tgcaacataa ggtttctggc aagaacctga 60
aagaaacaga gcaacagcat tattcagcat atattcttct ctgaagaaaa ctggagctat 120
cttctgtttt gccttttcag cttccgagat cactaggaag gaaagattac aaataaaaaa 180
aaaaagattt aatagtcaac attgtcaact agatcaaaag tattatgaaa attaaatact 240
gggggaaggg agtactctaa aatgacttgt taaaagtgtt gaagttgccc ctgccacaga 300
cattatatta tagtcacaga tccatagtcc aatgtcaaag cttcaaggca aaaattccta 360
ttcttgtttt ccatgtcttct tacaaaatgt tagattagaa attataggct gggcatgggtg 420
gctcaaacct gtgtcgacgc ggccgcgaat tc 452

<210> 84
<211> 143
<212> PRT
<213> Homo sapiens

<400> 84
Ile Arg Gly Arg Val Asp Thr Gly Leu Ser His His Ala Gln Pro Ile
1 5 10 15
Ile Ser Asn Leu Thr Phe Cys Lys Lys His Gly Lys Gln Glu Phe
20 25 30
Leu Pro Ser Phe Asp Ile Gly Leu Trp Ile Cys Asp Tyr Asn Ile Met
35 40 45
Ser Val Ala Gly Ala Thr Ser Lys Leu Leu Thr Ser His Phe Arg Val
50 55 60
Leu Pro Ser Pro Ser Ile Phe Ser Tyr Phe Ser Ser Gln Cys Leu Leu
65 70 75 80
Asn Leu Phe Phe Phe Ile Cys Asn Leu Ser Phe Leu Val Ile Ser Glu
85 90 95
Ala Glu Lys Ala Lys Gln Lys Ile Ala Pro Val Phe Phe Arg Glu Glu
100 105 110
Tyr Met Leu Asn Asn Ala Val Ala Leu Phe Leu Ser Gly Ser Cys Gln
115 120 125
Lys Pro Tyr Val Ala Leu Ile His Gly Ile Thr Met Gly Gly Ser
130 135 140

<210> 85
<211> 752
<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (462)...(748)

<223> n = A, C, G or T

<400> 85

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ggatccggtc aggggaaaga agggccggtg ctggatctgg cagtaccaga gcagcagcaa 60
cagcaggagc agcaggggca gcagcaggct gccgatttcc agcccggagg ggccgggctc 120
ggaccccggc gggcaggggg gatttggggg accgactctc gtggacacgt ggcagtggag 180
aacgcagttg ggagggaggt gaaggctgcc caggggtctg gtgtcgtcgc ctagcagctg 240
cccttggtag atgagtcgca cctgctgttc ccggccggga aactgggtcc ttttcaagga 300
gccaatggtg tcgtggggcc aggccctggc cacctgctct gaatcattga ggaatttcag 360
cccgtagcac gaggggctcc tgcggggagt ccgggggctg cgggtgttgc gtgaaccccg 420
tgctgggctc tggctgtgca gcttgacctt ctggtgtctc angctggggg tctctgcccc 480
tggggccttc cctctcatgc tgcggtagc tgccatggct tgccgctggg ctgggatggc 540
gttgggggtcc ctgacggctg gggcaatggg tccccggcct tnacggtgtg ccttgaaaac 600
ccagccangg ccaacaccag aanggcaagg caagcnccga naaaaggacg gtcacttcat 660
cacccaaccc nttnatcang gtcatngcgc ctggcttgcc cgccggenta ccganccgag 720
ggttccccaan ttccttnacc cggccggnaa tt 752
```

<210> 86

<211> 247

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (1)...(94)

<223> Xaa = any amino acid

<400> 86

```
Xaa Pro Ala Gly Xaa Arg Xaa Trp Gly Thr Arg Arg Ser Val Xaa Arg
1          5          10          15
Arg Ala Ser Gln Ala Xaa Pro Xaa Xaa Gly Trp Val Met Lys Pro Ser
20          25          30
Phe Xaa Arg Xaa Leu Pro Cys Xaa Ser Gly Val Gly Xaa Gly Trp Val
35          40          45
Phe Lys Ala His Arg Xaa Gly Arg Gly Pro Ile Ala Pro Ala Val Arg
50          55          60
Asp Pro Asn Ala Ile Pro Ala Gln Arg Gln Ala Met Ala Ala Thr Asp
65          70          75          80
Ser Met Arg Gly Lys Ala Pro Gly Ala Glu Thr Pro Ser Xaa Arg His
85          90          95
Gln Lys Val Lys Leu His Ser Gln Ser Pro Ala Arg Gly Ser Gln Gln
100         105         110
His Arg Gln Pro Arg Thr Pro Arg Arg Ser Pro Ser Cys Tyr Gly Leu
115         120         125
Lys Phe Leu Asn Asp Ser Glu Gln Val Ala Arg Ala Trp Pro His Asp
```

130		135		140
Thr Ile Gly Ser Leu Lys Arg Thr Gln Phe Pro Gly Arg Glu Gln Gln				
145		150		155
Val Arg Leu Ile Tyr Gln Gly Gln Leu Leu Gly Asp Asp Thr Gln Thr				
	165		170	
Leu Gly Ser Leu His Leu Pro Pro Asn Cys Val Leu His Cys His Val				
	180		185	
Ser Thr Arg Val Gly Pro Pro Asn Pro Pro Cys Pro Pro Gly Ser Glu				
	195		200	
Pro Gly Pro Ser Gly Leu Glu Ile Gly Ser Leu Leu Leu Pro Leu Leu				
	210		215	
Leu Leu Leu Leu Leu Leu Leu Trp Tyr Cys Gln Ile Gln Tyr Arg Pro				
225		230		235
Phe Phe Pro Leu Thr Gly Ser				240
	245			

<210> 87
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (375)...(395)
 <223> n = A, C, G or T

<400> 87
 ggatcccaga gtattctgac agataaaatc ggggaggcag ttatgaatac cactctcaca 60
 ctcgtaata tctttgcagc tattgtcctc tgtgagctca tagccagtcc cgcagctgct 120
 gtcccgctgg cagcggaaag agccactgt gttgatgcag gattctccaa gccggcagct 180
 gtggctgccc gtgatgcatt cattgacatc ttcacaggag acaccatcag acagcagctg 240
 gtagccacag aagcaggagc agaccacctc gtcacccgtg tctcggcact gctgcttgca 300
 gggcccgccct cctcggcagc ggtcattcag atatgggtcc tcttggttct cctcaacctc 360
 aatgatctta tccgnnnttg gangccccc acntnc 396

<210> 88
 <211> 132
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(8)
 <223> Xaa = any amino acid

<400> 88
 Xaa Xaa Xaa Gly Xaa Pro Xaa Xaa Asp Lys Ile Ile Glu Val Glu Glu
 1 5 10 15
 Glu Gln Glu Asp Pro Tyr Leu Asn Asp Arg Cys Arg Gly Gly Gly Pro

		20						25					30				
Cys	Lys	Gln	Gln	Cys	Arg	Asp	Thr	Gly	Asp	Glu	Val	Val	Cys	Ser	Cys		
		35					40					45					
Phe	Val	Gly	Tyr	Gln	Leu	Leu	Ser	Asp	Gly	Val	Ser	Cys	Glu	Asp	Val		
	50					55				60							
Asn	Glu	Cys	Ile	Thr	Gly	Ser	His	Ser	Cys	Arg	Leu	Gly	Glu	Ser	Cys		
65					70					75					80		
Ile	Asn	Thr	Val	Gly	Ser	Phe	Arg	Cys	Gln	Arg	Asp	Ser	Ser	Cys	Gly		
				85					90					95			
Thr	Gly	Tyr	Glu	Leu	Thr	Glu	Asp	Asn	Ser	Cys	Lys	Asp	Ile	Asp	Glu		
			100					105					110				
Cys	Glu	Ser	Gly	Ile	His	Asn	Cys	Leu	Pro	Asp	Phe	Ile	Cys	Gln	Asn		
		115					120					125					
Thr	Leu	Gly	Ser														
	130																

<210> 89
 <211> 558
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (304)...(513)
 <223> n = A, C, G or T

<400> 89
 ggatccagac ccacgagggga catatgaatt ttcattcagc agcttgatgg tgctgggtgaa 60
 gtctgtgctg tccagtttct ccgacaactt tctcttcagg tcatcccaat ataagcgacg 120
 tgctgcaggg aagtcctctc ctggctcctc cctcactgga gactcggttc ctgccagtct 180
 ctcacactca gtttttggtt ctaccctttt acaatagccc aagtagccaa tcataaatcc 240
 aatcaagaaa aagacgatca cagcaatagt cccatagcag atacttccac tacacctttt 300
 tggntttgtg acattggcct ttgtgttatt gtcagcattt tcttcttcat ctacagcaag 360
 tttcatctnc acatgactgt tatcgccatc tacttgccga gccaggctga accgggtata 420
 tgacaatggg tctccaccaa acaagttaga gaatgctgat ctagcttgat ccatcattct 480
 gaactgccac acagaagaca ctagcgcgtc ctncgtcccg agccgcaccc gatatcccgt 540
 cgacgcggcc gccaattc 558

<210> 90
 <211> 186
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (16)...(85)
 <223> Xaa = any amino acid

<400> 90

Glu	Phe	Ala	Ala	Ala	Ser	Thr	Gly	Tyr	Arg	Val	Arg	Leu	Gly	Thr	Xaa
1				5					10					15	
Asp	Ala	Leu	Val	Ser	Ser	Val	Trp	Gln	Phe	Arg	Met	Met	Asp	Gln	Ala
			20					25					30		
Arg	Ser	Ala	Phe	Ser	Asn	Leu	Phe	Gly	Gly	Glu	Pro	Leu	Ser	Tyr	Thr
		35					40					45			
Arg	Phe	Ser	Leu	Ala	Arg	Gln	Val	Asp	Gly	Asp	Asn	Ser	His	Val	Xaa
	50					55					60				
Met	Lys	Leu	Ala	Val	Asp	Glu	Glu	Glu	Asn	Ala	Asp	Asn	Asn	Thr	Lys
65					70					75					80
Ala	Asn	Val	Thr	Xaa	Pro	Lys	Arg	Cys	Ser	Gly	Ser	Ile	Cys	Tyr	Gly
				85					90					95	
Thr	Ile	Ala	Val	Ile	Val	Phe	Phe	Leu	Ile	Gly	Phe	Met	Ile	Gly	Tyr
			100					105					110		
Leu	Gly	Tyr	Cys	Lys	Gly	Val	Glu	Pro	Lys	Thr	Glu	Cys	Glu	Arg	Leu
		115					120					125			
Ala	Gly	Thr	Glu	Ser	Pro	Val	Arg	Glu	Glu	Pro	Gly	Glu	Asp	Phe	Pro
	130					135					140				
Ala	Ala	Arg	Arg	Leu	Tyr	Trp	Asp	Asp	Leu	Lys	Arg	Lys	Leu	Ser	Glu
145					150					155					160
Lys	Leu	Asp	Ser	Thr	Asp	Phe	Thr	Ser	Thr	Ile	Lys	Leu	Leu	Asn	Glu
				165					170					175	
Asn	Ser	Tyr	Val	Pro	Arg	Gly	Ser	Gly	Ser						
			180					185							

<210> 91
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 91
 ggatcccttt gtatataaaa tgggtgaaagc tgacttgaat gtgccgtcac cactctgctg 60
 ggaaaaacag atgaagggtg cccagagaaa accacagact ccagcgtaag ctgttctcca 120
 ttgaacagga acaaggctga agttggtcag ctgtacaaag ggccagtaca tcagtccact 180
 cagataggta ttccagaatt tctgtttcag gtccaaaaat atgtcatcct ttccttggag 240
 aatgctcata ccgacataga aggccgagac cgcgatgggc gcaccgacca cctggtcgca 300
 cagcaacttg gccagcaggg cgtgcggcgc tcggcccggg agcgcgcgct ccagcaggcg 360
 cagccacacg tagttgaagt tggcgtggaa ggtcaccacc aacgtggcca cgcgccgcgt 420
 ctggcgccag ttggcctcgc ggtcgacgcg gccgcgaatt c 461

<210> 92
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 92
 Ile Arg Gly Arg Val Asp Arg Glu Ala Asn Trp Arg Gln Thr Arg Arg
 1 5 10 15
 Val Ala Thr Leu Val Val Thr Phe His Ala Asn Phe Asn Tyr Val Trp

		20						25					30				
Leu	Arg	Leu	Leu	Glu	Arg	Ala	Leu	Pro	Gly	Arg	Ala	Pro	His	Ala	Leu		
		35					40					45					
Leu	Ala	Lys	Leu	Leu	Cys	Asp	Gln	Val	Val	Gly	Ala	Pro	Ile	Ala	Val		
	50				55					60							
Ser	Ala	Phe	Tyr	Val	Gly	Met	Ser	Ile	Leu	Gln	Gly	Lys	Asp	Asp	Ile		
65				70				75							80		
Phe	Leu	Asp	Leu	Lys	Gln	Lys	Phe	Trp	Asn	Thr	Tyr	Leu	Ser	Gly	Leu		
			85					90						95			
Met	Tyr	Trp	Pro	Phe	Val	Gln	Leu	Thr	Asn	Phe	Ser	Leu	Val	Pro	Val		
			100					105						110			
Gln	Trp	Arg	Thr	Ala	Tyr	Ala	Gly	Val	Cys	Gly	Phe	Leu	Trp	Ala	Thr		
		115					120							125			
Phe	Ile	Cys	Phe	Ser	Gln	Gln	Ser	Gly	Asp	Gly	Thr	Phe	Lys	Ser	Ala		
	130					135					140						
Phe	Thr	Ile	Leu	Tyr	Thr	Lys	Gly	Ser									
145					150												

<210> 93
 <211> 603
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (541)...(574)
 <223> n = A, C, G or T

<400> 93
 ggatccagtg ctataataaac nattacacac attgtaactc ctacacaatt tgaaattttc 60
 aagttaagac aaaggtaact atatataga gacagtatgtt ttctgaaccc ttacagattg 120
 ttttgcacac tcctggatta cacacatctc atcaatctca agaataaaat caaagtcttt 180
 ggcttgacag ccttccacaa tctgacctct gttttctcgc cagcctcatc tcctgtcatt 240
 cacaacattt ccagcattcc aaccagtctg aacttttgca gtttcccacg tgcgctaggc 300
 tctttcttca tcagcatctc tatgcatgct gtctcctgct actggaatgc cctcattctc 360
 gttgcttcct gttttgaaga aaagctgtga taccggcaac agtgtttaag tatcacacgg 420
 gtagttaaaa ggcaagttgg tcctatctga catgtggaaa tggccagctc gttagaaggc 480
 agtacctggt gaagcccggg cacgcgagtt cacgccagcg acagtggaaa gcccttcct 540
 ngcaagcgcg cttccggcac tagccgnacc ccgncgagct ctggtcgacg cggccgcgaa 600
 ttc 603

<210> 94
 <211> 195
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (13)...(189)

<223> Xaa = any amino acid

<400> 94

Glu	Phe	Ala	Ala	Ala	Ser	Thr	Arg	Ala	Arg	Arg	Gly	Xaa	Ala	Ser	Ala	
1				5					10					15		
Gly	Ser	Ala	Leu	Ala	Arg	Glu	Gly	Leu	Ser	Thr	Val	Ala	Gly	Val	Asn	
		20						25					30			
Ser	Arg	Ala	Arg	Ala	Ser	Pro	Gly	Thr	Ala	Phe	Arg	Ala	Gly	His	Phe	
		35					40					45				
His	Met	Ser	Asp	Arg	Thr	Asn	Leu	Pro	Phe	Asn	Tyr	Pro	Cys	Asp	Thr	
	50					55				60						
Thr	Leu	Leu	Pro	Val	Ser	Gln	Leu	Phe	Phe	Lys	Thr	Gly	Ser	Asn	Glu	
65				70						75					80	
Asn	Glu	Gly	Ile	Pro	Val	Ala	Gly	Asp	Ser	Met	His	Arg	Asp	Ala	Asp	
			85						90					95		
Glu	Glu	Arg	Ala	Arg	Thr	Trp	Glu	Thr	Ala	Lys	Val	Gln	Thr	Gly	Trp	
		100						105					110			
Asn	Ala	Gly	Asn	Val	Val	Asn	Asp	Arg	Arg	Gly	Trp	Arg	Glu	Asn	Arg	
		115					120					125				
Gly	Gln	Ile	Val	Glu	Gly	Cys	Gln	Ala	Lys	Asp	Phe	Asp	Phe	Ile	Leu	
	130					135					140					
Glu	Ile	Asp	Glu	Met	Cys	Val	Ile	Gln	Glu	Cys	Ala	Lys	Gln	Ser	Val	
145				150						155					160	
Arg	Val	Gln	Lys	Thr	Tyr	Cys	Phe	Tyr	Ile	Leu	Pro	Leu	Ser	Leu	Glu	
			165					170						175		
Asn	Phe	Lys	Leu	Cys	Arg	Ser	Tyr	Asn	Val	Cys	Asn	Xaa	Tyr	Tyr	Ser	
			180					185						190		
Thr	Gly	Ser														
		195														

<210> 95

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (529)...(789)

<223> n = A, C, G or T

<400> 95

ggatcctact	gaaatggaaa	aggttgaaaa	atgtatcagt	gatgccatga	gttggtgaa	60
tagtaagatg	aatgcacaga	acaaactaag	tctcactcaa	gatcctgtgg	taaaagtctt	120
agaaatagta	gcaaagtcaa	aggaactgga	taatttctgt	aaccccatca	tttacaagcc	180
caaaccaaaa	gcagaagttc	ctgaagacaa	accaaaagct	aatagtgaac	acaatggccc	240
aatggatgga	cagagtggaa	ctgaaactaa	atcagattca	acaaaagaca	gtcacagca	300
tactaaatcc	tctggagaga	tggaagtgga	ctaagtctta	attttacctt	cacattaatt	360
caaaccgtgc	aagtaaccac	ggggtccatc	ttttacatct	ggtacacaca	acagacgctc	420
agttgttctt	aaccactttt	gtcattttggt	ttttggagta	gttttgaaaa	gtgggtttata	480

```

ttgagtgcac ttctgggtcat ttccattgct gcttatatgc agtggtagnc cgaattagat 540
ttaccaggac aatctaagct ttccggataa ttttatatat caaacattcn ggatggatac 600
ctagttggca acagtctacc ttattttaagc ttctactggg ataaacctca ttncctttatt 660
caggaaagga tctttaatgn antattggtg naaaagccta gattaatngc tcttantttg 720
aaaaccaatg gaaaattgga ngggnttaaa gttccgaggc ctggcctttt ttagtatggg 780
atgntccant taaataaact caattttcct ctt 813

```

<210> 96

<211> 258

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (8)...(70)

<223> Xaa = any amino acid

<400> 96

```

Lys Arg Lys Ile Glu Phe Ile Xaa Xaa His Pro Ile Leu Lys Lys Ala
1      5      10
Arg Pro Arg Asn Phe Xaa Pro Xaa Gln Phe Ser Ile Gly Phe Gln Xaa
20     25     30
Lys Ser Xaa Ser Arg Leu Xaa His Gln Xaa Xaa Ile Lys Asp Pro Phe
35     40     45
Leu Asn Lys Xaa Met Arg Phe Ile Pro Val Glu Ala Ile Arg Thr Val
50     55     60
Ala Asn Val Ser Ile Xaa Asn Val Tyr Ile Lys Leu Ser Gly Lys Leu
65     70     75     80
Arg Leu Ser Trp Ile Phe Gly Leu Pro Leu His Ile Ser Ser Asn Gly
85     90     95
Asn Asp Gln Lys Cys Thr Gln Tyr Lys Pro Leu Phe Lys Thr Thr Pro
100    105    110
Lys Thr Lys Gln Lys Trp Leu Arg Thr Thr Glu Arg Leu Leu Cys Val
115    120    125
Pro Asp Val Lys Asp Gly Pro Arg Gly Tyr Leu His Gly Leu Asn Cys
130    135    140
Glu Gly Lys Ile Lys Thr Ser Thr Ser Ile Ser Pro Glu Asp Leu Val
145    150    155    160
Cys Cys Glu Leu Ser Phe Val Glu Ser Asp Leu Val Ser Val Pro Leu
165    170    175
Cys Pro Ser Ile Gly Pro Leu Cys Ser Leu Leu Ala Phe Gly Leu Ser
180    185    190
Ser Gly Thr Ser Ala Phe Gly Leu Gly Leu Met Met Gly Leu Gln Lys
195    200    205
Leu Ser Ser Ser Phe Asp Phe Ala Thr Ile Ser Glu Thr Phe Thr Thr
210    215    220
Gly Ser Val Arg Leu Ser Leu Phe Cys Ala Phe Ile Leu Leu Phe Ser
225    230    235    240
Gln Leu Met Ala Ser Leu Ile His Phe Ser Thr Phe Ser Ile Ser Val
245    250    255

```

Gly Ser

<210> 97

<211> 478

<212> DNA

<213> Homo sapiens

<400> 97

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ggatccgggg tcgaagcagt tggattccat gatgggaagg ccattggcct ctcggtattt 60
cacaagcctc tcagcttcgc ggcgggacca ctctttcatc ctgtagtcag gcagataggc 120
cacaaggtg ctgccaagga ccaggatgat ggagacgcca aagaagaaga caagtcgcat 180
gttccagacg tccaaaacgg ggtccttgtc ataaccatgg gagtctgggt tcttctcata 240
caagttttcg tctcggggtt ctgggtcctc ttgccacggt gtggtcgggt ctgggggccg 300
ctttcccgcc acagcggacg gggcgaccac agtcctggag aagctagatt cccagcggac 360
gcgggcggcc gggagccctc gcgtcgccgc tgccgcaaaa agacggcgag cgctcaaacc 420
aaacagccca gccgccatga cagatggtgc ttgcaggggt cgacgcggcc gcgaattc 478
```

<210> 98

<211> 159

<212> PRT

<213> Homo sapiens

<400> 98

```
Asn Ser Arg Pro Arg Arg Pro Leu Gln Ala Pro Ser Val Met Ala Ala
 1          5          10          15
Gly Leu Phe Gly Leu Ser Ala Arg Arg Leu Leu Ala Ala Ala Thr
 20          25          30
Arg Gly Leu Pro Ala Ala Arg Val Arg Trp Glu Ser Ser Phe Ser Arg
 35          40          45
Thr Val Val Ala Pro Ser Ala Val Ala Gly Lys Arg Pro Pro Glu Pro
 50          55          60
Thr Thr Pro Trp Gln Glu Asp Pro Glu Pro Glu Asp Glu Asn Leu Tyr
 65          70          75          80
Glu Lys Asn Pro Asp Ser His Gly Tyr Asp Lys Asp Pro Val Leu Asp
 85          90          95
Val Trp Asn Met Arg Leu Val Phe Phe Phe Gly Val Ser Ile Ile Leu
 100         105         110
Val Leu Gly Ser Thr Phe Val Ala Tyr Leu Pro Asp Tyr Arg Met Lys
 115         120         125
Glu Trp Ser Arg Arg Glu Ala Glu Arg Leu Val Lys Tyr Arg Glu Ala
 130         135         140
Asn Gly Leu Pro Ile Met Glu Ser Asn Cys Phe Asp Pro Gly Ser
145         150         155
```

<210> 99

<211> 258

<212> DNA

<213> Homo sapiens

<400> 99

```
ggatcctgag tagggcaata tctccaggca gaagtcccgg aaatccaagc agcaggtgcc 60
aaggccagag cacgtcgggt ggcaggaaca tggcccgtcc agggcgccac agcgcatgga 120
gcagctctct tgggcatctg ctgtgggtcc ggggcccggg ccgaggggctg tcgccagcag 180
cagcagggcc cagggcagga gggctggctt catggtgcag cctgtgtctg cagccagcgt 240
cgacgcggcc gcgaattc                                     258
```

<210> 100

<211> 86

<212> PRT

<213> Homo sapiens

<400> 100

```
Glu Phe Ala Ala Ala Ser Thr Leu Ala Ala Asp Thr Gly Cys Thr Met
 1              5              10              15
Lys Pro Ala Leu Pro Trp Ala Leu Leu Leu Ala Thr Ala Leu
      20              25              30
Gly Pro Gly Pro Gly Pro Thr Ala Asp Ala Gln Glu Ser Cys Ser Met
      35              40              45
Arg Cys Gly Ala Leu Asp Gly Pro Cys Ser Cys His Pro Thr Cys Ser
      50              55              60
Gly Leu Gly Thr Cys Cys Leu Asp Phe Arg Asp Phe Cys Leu Glu Ile
65              70              75              80
Leu Pro Tyr Ser Gly Ser
                        85
```

<210> 101

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (524)...(662)

<223> n = A, C, G or T

<400> 101

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ggatccctga aagtgaaaca gaaagtacag catctgcacc aaattctcca agaacaccgt 60
taacacctcc gcctgcttct ggtgcttcca gtaccacaga tgtttgcagt gtatttgatt 120
ccgatcattc gagccctttt cactcaagca atgataccgt ctttatccaa gttactctgc 180
cccatggccc aagatctgct tctgtatcat ctataagttt aaccaaaggc actgatgaag 240
tgctgtccc tcctcctggt cctccacgaa gacgaccaga atctgcccc a gcagaatctt 300
caccatctaa gattatgtct aagcatttgg acagtcccc agccattcct cctaggcaac 360
ccacatcaaa agcctattca ccacgatatt caatatcaga ccggacctct atctcagacc 420
ctcctgaaag ccctccctta ttaccaccac gaaggaaaaa aaacctggag cactgtgttc 480
taactaccat cattccacct cccctttggg caaaaaggac atgnaatgct tnttccaaca 540
ggccttgccc ttacaccact ctctnaacac tttctacgac aagangattg catacacatg 600
```

ccagaagggg ctcttctgtt ggcgctgtct cngaaagatt taattctact ctcaaactna 660
 angg 664

<210> 102
 <211> 207
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(43)
 <223> Xaa = any amino acid

<400> 102
 Xaa Xaa Val Glu Asn Ile Phe Xaa Arg Gln Arg His Xaa Lys Xaa Pro
 1 5 10 15
 Phe Trp His Val Tyr Ala Ile Xaa Leu Ser Lys Val Xaa Arg Glu Trp
 20 25 30
 Cys Lys Gly Lys Ala Cys Trp Xaa Lys His Xaa Met Ser Phe Leu Pro
 35 40 45
 Lys Gly Glu Val Glu Trp Leu Glu His Ser Ala Pro Gly Phe Phe Ser
 50 55 60
 Phe Val Val Val Ile Arg Glu Gly Phe Gln Glu Gly Leu Arg Arg Ser
 65 70 75 80
 Gly Leu Ile Leu Asn Ile Val Val Asn Arg Leu Leu Met Trp Val Ala
 85 90 95
 Glu Glu Trp Leu Gly Asp Cys Pro Asn Ala Thr Ser Met Val Lys Ile
 100 105 110
 Leu Leu Gly Gln Ile Leu Val Val Phe Val Glu Glu Gln Glu Glu Gly
 115 120 125
 Gln Ala Leu His Gln Cys Leu Trp Leu Asn Leu Met Ile Gln Lys Gln
 130 135 140
 Ile Leu Gly His Gly Ala Glu Leu Gly Arg Arg Tyr His Cys Leu Ser
 145 150 155 160
 Glu Lys Gly Ser Asn Asp Arg Asn Gln Ile His Cys Lys His Leu Trp
 165 170 175
 Tyr Trp Lys His Gln Lys Gln Ala Glu Val Leu Thr Val Phe Leu Glu
 180 185 190
 Asn Leu Val Gln Met Leu Tyr Phe Leu Phe His Phe Gln Gly Ser
 195 200 205

<210> 103
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (464)...(746)

<223> n = A, C, G or T

<400> 103

```
ggatccact gcaagcccca ccaggcggtta ggggaagaag caggaggcca ggaaggcagc 60
ccagagcgcc acatacagct tctgtgtgat ctccggctgg acccacatga acaagttctt 120
gatcttctcc aggatgtcag ccattcttccc gaaaagggtt tgggctttct gggcgacgtc 180
cagcaccagc tggaacttct cagacacagt caggtcttcc tttggagggt ccacgggctc 240
agacacttcg ggcacgatgc tccactgtat ccgccacccc ctggcgatga ggtaattgag 300
ggataacctc agaattgcta gaaataagaa caatgggatg gcccagccat gccacacggc 360
attcatgtac acggtgaagg caatggcaga cgtgtagacg gagtaccagt cggataaggc 420
agagagggtt ttcacaaagt tagtgaccgg cttttggggg gggnacccgt tgaccgctat 480
ttttagtaac ctgcggcgct caggggttcc tnttgtctcc acagtgtctc ctcggtgga 540
accgggaagt ccttccacgt acttccccga accggttcgt aaaaccactt tttgcaggcc 600
ccgaggacag gcccttggct tccggngct tntgnttcca ttggntggcc tgggccctgc 660
cctttttggg ggcttggttg annccatctg ctnccttcggt tntgggcctt nancaccttc 720
ttggacntt ttggttcaag ttncantccg gccggttggc cg 762
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<210> 104

<211> 253

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (6)...(99)

<223> Xaa = any amino acid

<400> 104

```
Arg Pro Thr Gly Arg Xaa Xaa Thr Thr Lys Xaa Val Gln Glu Gly Xaa
 1          5          10          15
Xaa Gly Pro Xaa Pro Lys Xaa Gln Met Xaa Ser Thr Lys Pro Pro Lys
 20          25          30
Arg Ala Gly Pro Arg Pro Xaa Asn Gly Xaa Xaa Ser Xaa Arg Lys Pro
 35          40          45
Arg Ala Cys Pro Arg Gly Leu Gln Lys Val Val Leu Arg Thr Gly Ser
 50          55          60
Gly Lys Tyr Val Glu Gly Leu Pro Gly Ser Ser Arg Gly Asp Thr Val
 65          70          75          80
Glu Thr Xaa Gly Thr Pro Glu Arg Arg Arg Leu Leu Lys Ile Ala Val
 85          90          95
Lys Arg Xaa Pro Pro Gln Lys Pro Val Thr Asn Phe Val Lys Asn Leu
 100          105          110
Ser Ala Leu Ser Asp Trp Tyr Ser Val Tyr Thr Ser Ala Ile Ala Phe
 115          120          125
Thr Val Tyr Met Asn Ala Val Trp His Gly Trp Ala Ile Pro Leu Phe
 130          135          140
Leu Phe Leu Ala Ile Leu Arg Leu Ser Leu Asn Tyr Leu Ile Ala Arg
 145          150          155          160
Gly Trp Arg Ile Gln Trp Ser Ile Val Pro Glu Val Ser Glu Pro Val
 165          170          175
```

Glu	Pro	Pro	Lys	Glu	Asp	Leu	Thr	Val	Ser	Glu	Lys	Phe	Gln	Leu	Val
			180					185					190		
Leu	Asp	Val	Ala	Gln	Lys	Ala	Gln	Asn	Leu	Phe	Gly	Lys	Met	Ala	Asp
		195					200					205			
Ile	Leu	Glu	Lys	Ile	Lys	Asn	Leu	Phe	Met	Trp	Val	Gln	Pro	Glu	Ile
	210				215						220				
Thr	Gln	Lys	Leu	Tyr	Val	Ala	Leu	Trp	Ala	Ala	Phe	Leu	Ala	Ser	Cys
225				230					235						240
Phe	Phe	Pro	Tyr	Arg	Leu	Val	Gly	Leu	Ala	Val	Gly	Ser			
			245					250							

<210> 105
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (606)...(671)
 <223> n = A, C, G or T

<400> 105

ggatccaggc	atgagttctg	tcctttgaac	tccatagtga	ccccttttta	ccttgttcca	60
gatgaggaca	ggtgtcggga	ttccgatgac	ctcacagctc	aagtacacct	gggcaccagt	120
gacattccag	atgtccttgg	ggggcgtcac	tatggaagga	ccttgctcgc	aggtgccctt	180
gctgacctgg	gtgatggcct	tctccccgcg	gctctcggcc	ctctggctgg	cggcgcgcag	240
ctggcagccg	ctcgggtagg	tggtgccgctc	gctgccgcac	accgggtagc	ggctcttgca	300
cacgcacacg	ccgcttacac	ccggaccgcc	ggctgctgcc	ccggctttac	ccttccgcct	360
cttgcggtctc	ttcacgcact	ccatgcccgg	cgcgcagtac	cccctgccgg	cgccgccacc	420
cccgcacggc	tcgccctcgc	cgcgggcgca	catagggcag	cagccgcacg	cgtcgcgggt	480
ctcgcccagc	aggcagccca	gcgggggcag	gggcgggcag	gaggccggct	cgcaggggcc	540
gcaggtgtcc	gaagaggagg	aagaggagag	gggcaggagc	aggagcagca	gccagcgggc	600
gccgangagc	anggcgcgca	acgacggccg	cttcatggcg	gggtgcgggtg	gcagcggctc	660
acncggccgc	naatta					676

<210> 106
 <211> 225
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (2)...(24)
 <223> Xaa = any amino acid

<400> 106

Asn	Xaa	Arg	Pro	Xaa	Xaa	Pro	Leu	Pro	Pro	His	Pro	Ala	Met	Lys	Arg
1				5				10					15		
Pro	Ser	Leu	Arg	Ala	Xaa	Leu	Xaa	Gly	Ala	Ala	Gly	Leu	Leu	Leu	Leu

			20					25					30			
Leu	Leu	Pro	Leu	Ser	Ser	Ser	Ser	Ser	Ser	Asp	Thr	Cys	Gly	Pro	Cys	
		35					40					45				
Glu	Pro	Ala	Ser	Cys	Pro	Pro	Leu	Pro	Pro	Leu	Gly	Cys	Leu	Leu	Gly	
	50					55					60					
Glu	Thr	Arg	Asp	Ala	Cys	Gly	Cys	Cys	Pro	Met	Cys	Ala	Arg	Gly	Glu	
65					70					75					80	
Gly	Glu	Pro	Cys	Gly	Gly	Gly	Gly	Ala	Gly	Arg	Gly	Tyr	Cys	Ala	Pro	
				85					90					95		
Gly	Met	Glu	Cys	Val	Lys	Ser	Arg	Lys	Arg	Arg	Lys	Gly	Lys	Ala	Gly	
			100					105					110			
Ala	Ala	Ala	Gly	Gly	Pro	Gly	Val	Ser	Gly	Val	Cys	Val	Cys	Lys	Ser	
		115					120					125				
Arg	Tyr	Pro	Val	Cys	Gly	Ser	Asp	Gly	Thr	Thr	Tyr	Pro	Ser	Gly	Cys	
	130					135					140					
Gln	Leu	Arg	Ala	Ala	Ser	Gln	Arg	Ala	Glu	Ser	Arg	Gly	Glu	Lys	Ala	
145					150					155					160	
Ile	Thr	Gln	Val	Ser	Lys	Gly	Thr	Cys	Glu	Gln	Gly	Pro	Ser	Ile	Val	
				165					170					175		
Thr	Pro	Pro	Lys	Asp	Ile	Trp	Asn	Val	Thr	Gly	Ala	Gln	Val	Tyr	Leu	
			180				185						190			
Ser	Cys	Glu	Val	Ile	Gly	Ile	Pro	Thr	Pro	Val	Leu	Ile	Trp	Asn	Lys	
		195					200					205				
Val	Lys	Arg	Gly	His	Tyr	Gly	Val	Gln	Arg	Thr	Glu	Leu	Met	Pro	Gly	
	210					215					220					
Ser																
225																

<210> 107
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 107
 ggatcctgta gccgtgatgg tggctcgagg agcaatccag tgcacagtaa aagagttggc 60
 agtaatatca gaaaagtcaa tgccagttgg ggaatcaaga cctgttttct gtcttcctct 120
 aagaggtgtg ctctcatgtt gtctgtagac actggagaca ctactacat attctgtacc 180
 aggcaggaga tttgttaaga ccactgcatt gtctgaagga gaaattgaca actctgcaac 240
 atcttccgtc gacgcggccg cgaattc 267

<210> 108
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 108
 Glu Phe Ala Ala Ala Ser Thr Glu Asp Val Ala Glu Leu Ser Ile Ser
 1 5 10 15
 Pro Ser Asp Asn Ala Val Val Leu Thr Asn Leu Leu Pro Gly Thr Glu

		20						25					30				
Tyr	Val	Val	Ser	Val	Ser	Ser	Val	Tyr	Glu	Gln	His	Glu	Ser	Thr	Pro		
		35					40					45					
Leu	Arg	Gly	Arg	Gln	Lys	Thr	Gly	Leu	Asp	Ser	Pro	Thr	Gly	Ile	Asp		
	50					55					60						
Phe	Ser	Asp	Ile	Thr	Ala	Asn	Ser	Phe	Thr	Val	His	Trp	Ile	Ala	Pro		
65					70					75					80		
Arg	Ala	Thr	Ile	Thr	Ala	Thr	Gly	Ser									
					85												

<210> 109
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (660)...(911)
 <223> n = A, C, G or T

<400> 109

ggatccgccca	gtgaggttgc	gccagtaggc	aggggaagtcc	tggaactgga	aggtgtagac	60
ggcgatgagg	accagcatgg	tgtaggccac	cacgagccac	cagaaggcct	tgagcagctt	120
ccgccacagg	ctgtagtaga	cctggaagag	ggtgaggcag	agcaggaaga	ggaacatgta	180
gacaatcttg	tagaccacga	ggcggccggc	gaagctgacc	acgatgaaca	tgccagcaca	240
cacatagatc	cagtacttgg	cgtacacgcc	cttcaccagc	tcccccaggc	tctgcaacag	300
cgtctgcgtc	cgcgtgggct	ctgtgtctgc	cacggtgacc	tccgtcagcg	cagctggaga	360
ctctgcccac	ttcagcagct	tctctttcac	aaactggcgc	agcaggagcc	agaaggtcag	420
ggtgtagagc	aacatggcac	caaggtccag	acaggggtag	cgggtgtgct	ccagccccag	480
ctggcgcagg	ctgacggggc	ccagggtggt	gggcagctca	gggcgcagg	ccatggccca	540
cacgtagcgt	aggcagcaca	gcgtcatccc	atacagcagg	atgcaggggc	agcacagcat	600
ggccagttgg	tggcggctgc	gcaccgtcca	gatgaggcag	gccagagcag	cagtacgaan	660
gtcagccagc	tgtggtaggt	gatgctncat	accatcatgg	caatgagcgc	gcacacatag	720
ctttgggtcc	atgatgangg	gggcccaggc	tggggaacgg	aaacncctnc	ctggggctanc	780
ccncttgggc	ccacaggccn	cccagggagg	gaactttgnc	cgtcaattct	gcncaaagca	840
tttnacctt	cgggggtcggg	ngctggggna	ccactgntgt	aaantcccct	tctggggccc	900
tgtnacantt	n					911

<210> 110
 <211> 302
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(83)
 <223> Xaa = any amino acid

<400> 110

Xaa	Xaa	Thr	Gly	Pro	Gln	Lys	Gly	Xaa	Leu	Xaa	Gln	Trp	Xaa	Pro	Ser
1				5					10					15	
Xaa	Arg	Pro	Arg	Arg	Xaa	Xaa	Cys	Phe	Xaa	Gln	Asn	Arg	Xaa	Lys	Phe
			20					25					30		
Pro	Pro	Gly	Xaa	Ala	Cys	Gly	Pro	Lys	Xaa	Xaa	Ser	Pro	Gly	Arg	Xaa
		35					40					45			
Phe	Arg	Ser	Pro	Ala	Trp	Ala	Pro	Xaa	Ile	Met	Asp	Pro	Lys	Leu	Cys
	50					55					60				
Val	Arg	Ala	His	Cys	His	Asp	Gly	Met	Xaa	His	His	Leu	Pro	Gln	Leu
65					70					75					80
Ala	Asp	Xaa	Arg	Thr	Ala	Ala	Leu	Ala	Cys	Leu	Ile	Trp	Thr	Val	Arg
				85					90					95	
Ser	Arg	His	Gln	Leu	Ala	Met	Leu	Cys	Ser	Pro	Cys	Ile	Leu	Leu	Tyr
			100					105					110		
Gly	Met	Thr	Leu	Cys	Cys	Leu	Arg	Tyr	Val	Trp	Ala	Met	Asp	Leu	Arg
		115					120					125			
Pro	Glu	Leu	Pro	Thr	Thr	Leu	Gly	Pro	Val	Ser	Leu	Arg	Gln	Leu	Gly
	130					135					140				
Leu	Glu	His	Thr	Arg	Tyr	Pro	Cys	Leu	Asp	Leu	Gly	Ala	Met	Leu	Leu
145					150				155						160
Tyr	Thr	Leu	Thr	Phe	Trp	Leu	Leu	Leu	Arg	Gln	Phe	Val	Lys	Glu	Lys
				165					170					175	
Leu	Leu	Lys	Trp	Ala	Glu	Ser	Pro	Ala	Ala	Leu	Thr	Glu	Val	Thr	Val
			180					185					190		
Ala	Asp	Thr	Glu	Pro	Thr	Arg	Thr	Gln	Thr	Leu	Leu	Gln	Ser	Leu	Gly
		195					200					205			
Glu	Leu	Val	Lys	Gly	Val	Tyr	Ala	Lys	Tyr	Trp	Ile	Tyr	Val	Cys	Ala
	210					215					220				
Gly	Met	Phe	Ile	Val	Val	Ser	Phe	Ala	Gly	Arg	Leu	Val	Val	Tyr	Lys
225					230					235					240
Ile	Val	Tyr	Met	Phe	Leu	Phe	Leu	Leu	Cys	Leu	Thr	Leu	Phe	Gln	Val
				245					250					255	
Tyr	Tyr	Ser	Leu	Trp	Arg	Lys	Leu	Leu	Lys	Ala	Phe	Trp	Trp	Leu	Val
			260					265					270		
Val	Ala	Tyr	Thr	Met	Leu	Val	Leu	Ile	Ala	Val	Tyr	Thr	Phe	Gln	Phe
		275					280					285			
Gln	Asp	Phe	Pro	Ala	Tyr	Trp	Arg	Asn	Leu	Thr	Gly	Gly	Ser		
	290					295					300				

<210> 111

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (701)...(817)

<223> n = A, C, G, or T

<400> 111

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aaatttccca gccaatataa ccttccaaag tcgccaagta gatcaaattc agtgattccc 120
agtgttctcg acatcacagg cagagcagag ctcaaaacca agatggacac acaatttcca 180
atgatctttg tcatagttgt gtcattcttc ttgggagtaa agtttccaaa aaatcgaagg 240
ctatagaagc cgacaacaga ggacaccata agatagaaaa tcaaaatgat ttcaagcgca 300
gctcccacaa aaccaaactg agaaagagag gcatttccta ttccaggccc ccttggttcct 360
tttggcattg ctgtttcatc aaccaatagg caaagaatat tacaagccac caagaggacc 420
gagatggatg tctcaataag aaggagaacc ataacagcgg gatacaccaa atttctttcc 480
catgctgaag ccttttttcg cctctctaatt tttgtcttaa gagtctttac attttcaagt 540
tcttgttcca actccattat gttgtattcc accgatgaag acagcccatt tagtcgtctc 600
tgagtgctt cttcctctaa ggtaattgata taaatttggt catccagggtc ttcagaattg 660
ttggcttcac tagcaactga cccatcactg tgaactacga naaanggcaa ctgggtgtacn 720
caaganaagt aacaacntcc atcatgattt caggatntaa tagggagatg nactnccana 780
atcatttaag atnctgcttg cggatcggtg gcatgang 818
```

<210> 112

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (8)...(38)

<223> Xaa = any amino acid

<400> 112

```
Ser Cys Gln Arg Ser Ala Ser Xaa Ile Leu Asn Asp Xaa Gly Ser Xaa
 1          5          10          15
Ser Pro Tyr Xaa Ile Leu Lys Ser Trp Xaa Leu Leu Xaa Leu Xaa
 20          25          30
Thr Pro Val Ala Xaa Xaa Arg Ser Ser Gln Trp Val Ser Cys Ser Gln
 35          40          45
Gln Phe Arg Pro Gly Thr Asn Leu Tyr His Tyr Leu Arg Gly Arg Ser
 50          55          60
Thr Pro Glu Thr Thr Lys Trp Ala Val Phe Ile Gly Gly Ile Gln His
 65          70          75          80
Asn Gly Val Gly Thr Arg Thr Lys Cys Lys Asp Ser Asp Lys Ile Arg
 85          90          95
Glu Ala Lys Lys Gly Phe Ser Met Gly Lys Lys Phe Gly Val Ser Arg
100          105          110
Cys Tyr Gly Ser Pro Ser Tyr Asp Ile His Leu Gly Pro Leu Gly Gly
115          120          125
Leu Tyr Ser Leu Pro Ile Gly Asn Ser Asn Ala Lys Arg Asn Lys Gly
130          135          140
Ala Trp Asn Arg Lys Cys Leu Ser Phe Tyr Val Trp Phe Cys Gly Ser
145          150          155          160
Cys Ala Asn His Phe Asp Phe Leu Ser Tyr Gly Val Leu Cys Cys Arg
165          170          175
Leu Leu Pro Ser Ile Phe Trp Lys Leu Tyr Ser Gln Glu Arg His Asn
```


			180						185				190			
Tyr	Asp	Lys	Asp	His	Trp	Lys	Leu	Cys	Val	His	Leu	Gly	Phe	Glu	Leu	
		195					200					205				
Cys	Ser	Ala	Cys	Asp	Val	Glu	Asn	Thr	Gly	Asn	His	Ile	Ser	Thr	Trp	
	210					215					220					
Arg	Leu	Trp	Lys	Val	Leu	Ala	Gly	Lys	Phe	Leu	Tyr	Cys	Ile	Ile	Leu	
225					230					235					240	
Gln	Phe	Ala	Phe	Cys	Tyr	Cys	Asp	Asn	Ile	Val	Pro	Gly	Ser			
				245					250							

<210> 113
 <211> 905
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (708)...(900)
 <223> n = A, C, G or T

<400> 113

ggatccattg	ggttttgggg	ggaagaggaa	gactgacggt	ccccccagga	gttcaggtgc	60
tgggcacggt	gggcatgtgt	gagttttgtc	acaagatttg	ggctcaactc	tcttgtccac	120
cttggtgttg	ctgggcttgt	gattcacgtt	gcagatgtag	gtctgggtgc	ccaagctgct	180
ggagggcacg	gtcaccacgc	tgctgaggga	gtagagtcct	gaggactgta	ggacagccgg	240
gaaggtgtgc	acgccgctgg	tcagggcgcc	tgagttccac	gacaccgtca	ccggttcggg	300
gaagtagtcc	ttgaccaggc	agcccagggc	cgctgtgccc	ccagaggtgc	tcttggagga	360
gggtgccagg	gggaagaccg	atgggcccctt	ggtggaggct	gaggagacgg	tgaccagggt	420
accctggccc	cactggtaac	ttgtagccat	ctccgcaagt	ctcgcacagt	aatacatggc	480
ggtgtccgag	gccttcaggc	tgctccactg	caggtaggcg	gtactgatgg	acttgtcgac	540
tgacatggtg	acctggcctt	ggaaggacgg	gctgtatgtg	gcatcagagt	caccaggata	600
gatgatcccc	atccactcca	gacccttccc	gggcatctgg	cgcacccagg	cgatccagta	660
actggagaag	tagtatccag	agcccttaca	ggagatcttc	agagactncc	cgggcttttt	720
cacctntggt	ccagactgca	cagctgcacc	tcggacanac	tccttggana	acaaccagaa	780
ganggccagg	atggcngctg	acccctgatg	ggganggaan	aatgaaccc	tggtcaancg	840
gcnghaattn	ancttactnt	tcttttnatt	aaaaaactct	tnaaaagcna	tnaaagcatn	900
ccttc						905

<210> 114
 <211> 301
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (2)...(66)
 <223> Xaa = any amino acid

<400> 114

Arg	Xaa	Ala	Xaa	Xaa	Ala	Phe	Xaa	Glu	Phe	Phe	Asn	Xaa	Lys	Xaa	Ser
1				5					10					15	
Lys	Xaa	Asn	Xaa	Xaa	Arg	Leu	Thr	Arg	Val	His	Xaa	Phe	Xaa	Pro	His
		20						25					30		
Gln	Gly	Ser	Ala	Ala	Ile	Leu	Ala	Xaa	Phe	Trp	Leu	Xaa	Ser	Lys	Glu
		35					40					45			
Xaa	Val	Arg	Gly	Ala	Ala	Val	Gln	Ser	Gly	Pro	Xaa	Val	Lys	Lys	Pro
	50					55				60					
Gly	Xaa	Ser	Leu	Lys	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Tyr	Phe	Ser
65				70						75				80	
Ser	Tyr	Trp	Ile	Ala	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu
			85					90						95	
Trp	Met	Gly	Ile	Ile	Tyr	Pro	Gly	Asp	Ser	Asp	Ala	Thr	Tyr	Ser	Pro
		100						105					110		
Ser	Phe	Gln	Gly	Gln	Val	Thr	Met	Ser	Val	Asp	Lys	Ser	Ile	Ser	Thr
		115					120					125			
Ala	Tyr	Leu	Gln	Trp	Ser	Ser	Leu	Lys	Ala	Ser	Asp	Thr	Ala	Met	Tyr
	130					135					140				
Tyr	Cys	Ala	Arg	Leu	Ala	Glu	Met	Ala	Thr	Ser	Tyr	Gln	Trp	Gly	Gln
145				150						155				160	
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val
			165					170					175		
Phe	Pro	Leu	Ala	Pro	Ser	Ser	Lys	Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala
		180					185						190		
Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser
		195					200					205			
Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val
	210					215					220				
Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser	Leu	Ser	Ser	Val	Val	Thr	Val	Pro
225				230						235					240
Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr	Tyr	Ile	Cys	Asn	Val	Asn	His	Lys
			245					250					255		
Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	Arg	Val	Glu	Pro	Lys	Ser	Cys	Asp
		260					265					270			
Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly
		275					280					285			
Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Asn	Gly	Ser			
	290					295					300				

<210> 115

<211> 458

<212> DNA

<213> Homo sapiens

<400> 115

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ggatccggct ctgaccttct ccacgtcggc ccggggccgtc tggtaattgt ccacgctgcc 60
tgggatgtag gagcactgct ggttctggtc ccgagtgtcc tccgtgtggt acagcacagc 120
ccacctgccg gcagctgaca cgttgaccca caggcatggg tactggggca ctttcttgcc 180
cttcagctcc tcctgggtccc tgatgttggt ctcaatcagg tggcacttgg attcctgggt 240

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ccacacgctt ttctggtaga ggggcagcac agtcgtgacc aggatgtagt aggtgatgac 300
ggcacacacc accatgggta caccagga cagggtcgt gtctctcccc gcttctgggc 360
catcaccagc ttcttcacca tattcactgg gggcagtgat catttagtct tcccggcgtc 420
ctgtgggtct tgagcagcgt cgacgcggcc gcgaattc 458

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<210> 116
<211> 151
<212> PRT
<213> Homo sapiens

```

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<400> 116
Ile Arg Gly Arg Val Asp Ala Ala Gln Asp Pro Gln Asp Ala Gly Lys
 1          5          10          15
Thr Lys Ser Leu Pro Pro Val Asn Met Val Lys Lys Leu Val Met Ala
          20          25          30
Gln Lys Arg Gly Glu Thr Arg Ala Leu Cys Leu Gly Val Thr Met Val
          35          40          45
Val Cys Ala Val Ile Thr Tyr Tyr Ile Leu Val Thr Thr Val Leu Pro
          50          55          60
Leu Tyr Gln Lys Ser Val Trp Thr Gln Glu Ser Lys Cys His Leu Ile
65          70          75          80
Glu Thr Asn Ile Arg Asp Gln Glu Glu Leu Lys Gly Lys Lys Val Pro
          85          90          95
Gln Tyr Pro Cys Leu Trp Val Asn Val Ser Ala Ala Gly Arg Trp Ala
          100          105          110
Val Leu Tyr His Thr Glu Asp Thr Arg Asp Gln Asn Gln Gln Cys Ser
          115          120          125
Tyr Ile Pro Gly Ser Val Asp Asn Tyr Gln Thr Ala Arg Ala Asp Val
          130          135          140
Glu Lys Val Arg Ala Gly Ser
145          150

```

```

<210> 117
<211> 715
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> unsure
<222> (669)...(710)
<223> n = A, C, G or T

```

```

<400> 117
ggatcctgct tccaggcgct tctcattctc atggatcttc ttcacccgca gcttctgctt 60
ctcagtcaga aggttggtgt cctcatccct ctcatcacagg gtgaccagga cgttcttgag 120
ccagtcccgc atgcgcaggg ggaattcggg cagctcagag tccaggcaag gggggatgta 180
tttgcaaggc ccgatgtagt ccaggtggag cttgtggccc ttcttggtgc cctccagggt 240
gcactttgtg gcaaagaagt ggcaggaaga gtcgaagggtc ttgttggtcat tgctgcacac 300
cttctcaaac tcgccaatgg gggctgggca gctgggtgggg tcctgggcaca cgcacatggg 360

```

```

gggtgttggttc tcatccagct cgcacacctt gccgtgtttg cagtgggtggt tctggcaggg 420
attttccgcc accacctcct cttcggtttc ctctgcacca tcatcaaatt ctctacttc 480
cacctggaca ggattagctc ccacagatac ctcagtcacc tctgccacag tttcttccac 540
cacctctgtc tcatcaggca gggcttcttg ctgaggggct gccaaggccc tcccggccag 600
gcaaaggaga aagaagatcc aggccctcat ggtgctggga accctcagtg gcaggcaggc 660
aggcggcang canancgcgc tctccgggca gtctggtcga cncggccgcn aattc 715

```

<210> 118

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (2)...(14)

<223> Xaa = any amino acid

<400> 118

```

Asn Xaa Arg Pro Xaa Arg Pro Asp Cys Pro Glu Ser Ala Xaa Cys Xaa
 1      5      10      15
Pro Pro Ala Cys Leu Pro Leu Arg Val Pro Ser Thr Met Arg Ala Trp
      20      25      30
Ile Phe Phe Leu Leu Cys Leu Ala Gly Arg Ala Leu Ala Ala Pro Gln
      35      40      45
Gln Glu Ala Leu Pro Asp Glu Thr Glu Val Val Glu Glu Thr Val Ala
      50      55      60
Glu Val Thr Glu Val Ser Val Gly Ala Asn Pro Val Gln Val Glu Val
65      70      75      80
Gly Glu Phe Asp Asp Gly Ala Glu Glu Thr Glu Glu Glu Val Val Ala
      85      90      95
Glu Asn Pro Cys Gln Asn His His Cys Lys His Gly Lys Val Cys Glu
      100      105      110
Leu Asp Glu Asn Asn Thr Pro Met Cys Val Cys Gln Asp Pro Thr Ser
      115      120      125
Cys Pro Ala Pro Ile Gly Glu Phe Glu Lys Val Cys Ser Asn Asp Asn
      130      135      140
Lys Thr Phe Asp Ser Ser Cys His Phe Phe Ala Thr Lys Cys Thr Leu
145      150      155      160
Glu Gly Thr Lys Lys Gly His Lys Leu His Leu Asp Tyr Ile Gly Pro
      165      170      175
Cys Lys Tyr Ile Pro Pro Cys Leu Asp Ser Glu Leu Thr Glu Phe Pro
      180      185      190
Leu Arg Met Arg Asp Trp Leu Lys Asn Val Leu Val Thr Leu Tyr Glu
      195      200      205
Arg Asp Glu Asp Asn Asn Leu Leu Thr Glu Lys Gln Lys Leu Arg Val
      210      215      220
Lys Lys Ile His Glu Asn Glu Lys Arg Leu Glu Ala Gly Ser
225      230      235

```

<210> 119
<211> 467
<212> DNA
<213> Homo sapiens

<400> 119
ggatcccttg tgggtccgcca ctccgaggta tccgtccagt ggccgcgggc cgcgggggac 60
cccggggcgc tgctgggtgc tgctctccgc cgccgggctgc gagctgccgg tggccgacgc 120
ctgctgctgc tggtgctgct gctgctgctg ctgctgcggg ggccgctcct tctggccgcc 180
gaggctgctg tacactagca acaagctggt gcacatggtg gtgagcgcta aacacactgc 240
cagaccatgg cgcatacagg tcttcatttt gggcacctct tttgtgcaga atcctcaggc 300
tcgcgcgtcc ggggccactt tttcctggag gggtttccatg atgggtaatg gggcggaggc 360
ggctctgatt tttgcccgag agccggccgc ggcagatcgc gcgcgggagc cgcgggaccc 420
gggaagcgcg gctgtttgcag agattaggtc gacgcggccg cgaattc 467

<210> 120
<211> 154
<212> PRT
<213> Homo sapiens

<400> 120
Ile Arg Gly Arg Val Asp Leu Ile Ser Ala Thr Ala Ala Leu Pro Gly
1 5 10 15
Ser Arg Gly Ser Arg Ala Arg Ser Ala Ala Ala Gly Cys Trp Ala Lys
20 25 30
Ile Arg Ala Ala Ser Ala Pro Leu Pro Ile Met Glu Thr Leu Gln Glu
35 40 45
Lys Val Ala Pro Asp Ala Arg Ala Gly Phe Cys Thr Lys Glu Val Pro
50 55 60
Lys Met Lys Thr Leu Met Arg His Gly Leu Ala Val Cys Leu Ala Leu
65 70 75 80
Thr Thr Met Cys Thr Ser Leu Leu Leu Val Tyr Ser Ser Leu Gly Gly
85 90 95
Gln Lys Glu Arg Pro Pro Gln Gln Gln Gln Gln Gln Gln Gln Gln
100 105 110
Gln Gln Ala Ser Ala Thr Gly Ser Ser Gln Pro Ala Ala Glu Ser Ser
115 120 125
Thr Gln Gln Arg Pro Gly Val Pro Ala Gly Pro Arg Pro Leu Asp Gly
130 135 140
Tyr Leu Gly Val Ala Asp His Lys Gly Ser
145 150

<210> 121
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> unsure

<222> (28)...(857)
 <223> n = A, C, G or T

<400> 121
 ggatccacac acatcctcac cccacagnaa actgctggac acactgaaga aactgaataa 60
 aacagatgaa gaaataagca gttaaaaaaa taagtcgccc ctccaaaaca cgcccccatc 120
 ccacagcgct ccgcagcttc ccaccaccgc ccgcctcagt tcctttgcgt ctgttgccctc 180
 cccagccctg cacgccctgg ctggcactgt tgccgctgca ttctcgtgtt cagtgatgcc 240
 ctcttcttgt ttgaaacaaa agaaaataat gcattgtgtt ttttaaaaag agtatcttat 300
 acatgtatcc taaaaagaga agctcatgtg caattggtgc acagcaggag aaatttctgg 360
 actgttagga tgaatggacg ccttctcccc gttatttaag atttgtgacc ttgtacataa 420
 ccctgggtga cgtgcacatt gcttggtgat ggaacggtag aaatttgggt gtttttaaaa 480
 ccttgtttgg ggttgttcct gtccttggtg agaatcatag agatgtctgt gttcttgagg 540
 tatttcacac tgaggactaa tctgctatct tcattccagt ccctaccctt cagtgcctgc 600
 tctcatccaa ataacctggg aggtgacaat caggatatct caggagggtcc aagggtggaac 660
 agacctcttt gccttttcca gcgtctcata cccccggtag tgcantgtg ggtggaggct 720
 ggggtgtctg caccaantca gggcagcgct ctncttcna gcctgtactg gcccttccc 780
 ancctgggtc cccagggctg ggatccccag ggantncttc cntttaanna aagggcctg 840
 acnnggaaaa acaactncc 859

<210> 122
 <211> 278
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(61)
 <223> Xaa = any amino acid

<400> 122
 Xaa Val Val Phe Pro Xaa Gln Gly Pro Xaa Xaa Lys Xaa Lys Xaa Ser
 1 5 10 15
 Leu Gly Ile Pro Ala Leu Gly Thr Gln Xaa Gly Lys Gly Pro Val Gln
 20 25 30
 Ala Xaa Lys Xaa Asp Ala Ala Leu Xaa Trp Cys Arg His Pro Ser Leu
 35 40 45
 His Pro Gln Xaa His Tyr Arg Gly Tyr Glu Thr Leu Xaa Lys Ala Lys
 50 55 60
 Arg Ser Val Pro Pro Trp Thr Ser Asp Ile Leu Ile Val Thr Ser Gln
 65 70 75 80
 Val Ile Trp Met Arg Ala Gly Thr Glu Gly Gly Leu Glu Arg Gln Ile
 85 90 95
 Ser Pro Gln Cys Glu Ile Leu Gln Glu His Arg His Leu Tyr Asp Ser
 100 105 110
 Gln Gln Gly Gln Glu Gln Pro Gln Thr Arg Phe Lys His Pro Asn Phe
 115 120 125
 Tyr Arg Ser Ile Pro Lys Gln Cys Ala Arg His Pro Gly Leu Cys Thr
 130 135 140

Arg	Ser	Gln	Ile	Leu	Asn	Asn	Gly	Glu	Lys	Ala	Ser	Ile	His	Pro	Asn
145					150					155					160
Ser	Pro	Glu	Ile	Ser	Pro	Ala	Val	His	Gln	Leu	His	Met	Ser	Phe	Ser
				165					170						175
Phe	Asp	Thr	Cys	Ile	Arg	Tyr	Ser	Phe	Lys	Thr	Gln	Cys	Ile	Ile	Phe
			180					185					190		
Phe	Cys	Phe	Lys	Gln	Glu	Glu	Gly	Ile	Thr	Glu	His	Glu	Asn	Ala	Ala
		195					200					205			
Ala	Thr	Val	Pro	Ala	Arg	Ala	Cys	Arg	Ala	Gly	Glu	Ala	Thr	Asp	Ala
	210					215					220				
Lys	Glu	Leu	Arg	Arg	Ala	Val	Val	Gly	Ser	Cys	Gly	Ala	Leu	Trp	Asp
225					230					235					240
Gly	Gly	Val	Phe	Trp	Arg	Gly	Asp	Leu	Phe	Phe	Leu	Leu	Ile	Ser	Ser
				245					250					255	
Ser	Val	Leu	Phe	Ser	Phe	Phe	Ser	Val	Ser	Ser	Ser	Xaa	Leu	Trp	Gly
			260					265					270		
Glu	Asp	Val	Cys	Gly	Ser										
		275													

<210> 123
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 123
 ggatccatca tatgtgtcta ctgtggggac aactggagtg aaaacttcgg ttgctggcag 60
 gtccgtggga aaatcagtga ccagttcatc agattcatca gaatggtgag actcatcaga 120
 ctggtgagaa tcatcagtggt catctacatc atcagagtcg tttgagtcaa tggagtcctg 180
 gctgtccaca tggatcatcat catcttcatc atccatatca tccatgtggt catggctttc 240
 gttggactta cttggaagggt tctgtggggc taggagattc tgcttctgag atgggtcagg 300
 gtttagccat gtggccacag catctgggta tttgttgtaa agctgctttt cctcagaact 360
 tccagaatca gcctgtttta ctggtatggc acaggtgatg cctaggaggc aaaagcaaact 420
 cactggtcga cgcggccgcg aattcgcggc cgcgctcgacg tcgacgcgcc gcgaattc 478

<210> 124
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 124
 Asn Ser Arg Arg Val Asp Val Asp Ala Ala Ala Asn Ser Arg Pro Arg
 1 5 10 15
 Arg Pro Val Ile Cys Phe Cys Leu Leu Gly Ile Thr Cys Ala Ile Pro
 20 25 30
 Val Lys Gln Ala Asp Ser Gly Ser Ser Glu Glu Lys Gln Leu Tyr Asn
 35 40 45
 Lys Tyr Pro Asp Ala Val Ala Thr Trp Leu Asn Pro Asp Pro Ser Gln
 50 55 60
 Lys Gln Asn Leu Leu Ala Pro Gln Thr Leu Pro Ser Lys Ser Asn Glu

65					70					75					80
Ser	His	Asp	His	Met	Asp	Asp	Met	Asp	Asp	Glu	Asp	Asp	Asp	Asp	His
				85					90					95	
Val	Asp	Ser	Gln	Asp	Ser	Ile	Asp	Ser	Asn	Asp	Ser	Asp	Asp	Val	Asp
			100					105					110		
Asp	Thr	Asp	Asp	Ser	His	Gln	Ser	Asp	Glu	Ser	His	His	Ser	Asp	Glu
		115					120					125			
Ser	Asp	Glu	Leu	Val	Thr	Asp	Phe	Pro	Thr	Asp	Leu	Pro	Ala	Thr	Glu
	130					135					140				
Val	Phe	Thr	Pro	Val	Val	Pro	Thr	Val	Asp	Thr	Tyr	Asp	Gly	Ser	
145					150					155					

<210> 125
 <211> 889
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (743)...(888)
 <223> n = A, C, G or T

<400> 125
 ggatccgctt ttgtgtgcaa acaatggcaa acaatggcag caaaccacag cccagctgac 60
 agccattaag atggagtatt catttgtcat ggtgggtaaa ggctcttcaa tagctgctaa 120
 tcaaaataga gaaaaatgaa tgtatggcac gatgcaactc taataagact ggggtgtccaa 180
 atgagtgact ccacataggt atgcgtaagg cgtacatgga atgaccttct ctttgaactt 240
 gctgccaccg tggagcagca tatctccctt gagaacttcc tcccttgact tccgaggaga 300
 tcttactctc tcatttctga ccgaccttctc tttaccttgt tcttcccacc cattccctca 360
 atgagacagt cccccagcca ctgctctctg ttcaaattcc ctgcgtgact gatgccctgg 420
 ggaagatccc ttctcctaaa tcttatgggg atttaagaat attacttgct cagctgcagc 480
 caaagtggac atggcattgg gacgcagatg tgcttgtgct tacctaaata ctcattctaa 540
 agatggcaaa gactgggact ttcattgtatt catttccgac actctcattc ccagatactg 600
 agctagaagc tggatgatgca gatacaagac tgggtgttccc aaggaactta aaaaaccatc 660
 ctccctgtca ctgtagtggt tgccatgggt tgactatacc aagtactctg ctaactgctt 720
 tacttatgca atcccaccta atnctcacag caaccagtg aggnnggtac taggataatt 780
 ccttttcctt ttcctttttt tttttttttg anacggattt nctnttggtg cccagctgga 840
 ggcaangggc gaactcggtt actgaaaccc ctntctctngg gtnancnt 889

<210> 126
 <211> 285
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (1)...(47)
 <223> Xaa = any amino acid

<400> 126

Xaa	Xaa	Thr	Xaa	Glu	Xaa	Gly	Phe	Gln	Pro	Ser	Ser	Pro	Xaa	Ala	Ser
1				5					10					15	
Ser	Trp	Ala	Thr	Xaa	Xaa	Asn	Pro	Xaa	Gln	Lys	Lys	Lys	Lys	Arg	Lys
		20						25					30		
Arg	Lys	Arg	Asn	Tyr	Pro	Ser	Ser	Xaa	Leu	Thr	Gly	Leu	Leu	Xaa	Leu
		35				40						45			
Gly	Gly	Ile	Ala	Val	Lys	Gln	Leu	Ala	Glu	Tyr	Leu	Val	Ser	Thr	His
	50					55					60				
Gly	Ser	His	Tyr	Ser	Asp	Arg	Glu	Asp	Gly	Phe	Leu	Ser	Ser	Leu	Gly
65					70				75						80
Thr	Pro	Val	Leu	Tyr	Leu	His	His	Gln	Leu	Leu	Ala	Gln	Tyr	Leu	Gly
				85					90					95	
Met	Arg	Val	Ser	Glu	Met	Asn	Thr	Lys	Ser	Gln	Ser	Leu	Pro	Ser	Leu
			100					105					110		
Glu	Val	Phe	Arg	Ala	Gln	Ala	His	Leu	Arg	Pro	Asn	Ala	Met	Ser	Thr
		115					120					125			
Leu	Ala	Ala	Ala	Gly	Gln	Val	Ile	Phe	Leu	Asn	Pro	His	Lys	Ile	Glu
	130					135					140				
Lys	Gly	Ser	Ser	Pro	Gly	His	Gln	Ser	Arg	Arg	Glu	Phe	Glu	Gln	Arg
145					150				155						160
Ala	Val	Ala	Gly	Gly	Leu	Ser	His	Gly	Asn	Gly	Trp	Glu	Glu	Gln	Gly
				165					170					175	
Lys	Glu	Arg	Ser	Val	Arg	Asn	Glu	Arg	Val	Arg	Ser	Pro	Arg	Lys	Ser
			180					185					190		
Arg	Glu	Glu	Val	Leu	Lys	Gly	Asp	Met	Leu	Leu	His	Gly	Gly	Ser	Lys
		195					200					205			
Phe	Lys	Glu	Lys	Val	Ile	Pro	Cys	Thr	Pro	Tyr	Ala	Tyr	Leu	Cys	Gly
	210					215					220				
Val	Thr	His	Leu	Asp	Thr	Gln	Ser	Tyr	Ser	Cys	Ile	Val	Pro	Tyr	Ile
225				230						235					240
His	Phe	Ser	Leu	Phe	Leu	Ala	Ala	Ile	Glu	Glu	Pro	Leu	Pro	Thr	Met
				245					250					255	
Thr	Asn	Glu	Tyr	Ser	Ile	Leu	Met	Ala	Val	Ser	Trp	Ala	Val	Val	Cys
			260				265						270		
Cys	His	Cys	Leu	Pro	Leu	Phe	Ala	His	Lys	Ser	Gly	Ser			
		275					280					285			

<210> 127

<211> 339

<212> DNA

<213> Homo sapiens

<400> 127

ggatccctca	acgccggtgg	tttcttggtc	ggtgggtgac	tctgagccgt	cggggcagac	60
gggacagcac	tcgccctcgg	ggacttcggc	gccggggcag	ttcttggtct	cgtcacagat	120
cacgtcatcg	cacaacacct	tgccgttgtc	gcagacgcag	atccggcagg	gctcggggtt	180
ccacacgtct	cggtcatggt	acctgaggcc	gttctgtacg	caggtgattg	gtgggatgtc	240
ttcgtcttgg	ccctcgactt	ggccttcctc	ttggccgtgc	gtcaggaggg	cggtggccgc	300

taagaggagc aggagccgga gtcgacgcgg ccgcgaatt

339

<210> 128

<211> 113

<212> PRT

<213> Homo sapiens

<400> 128

Asn	Ser	Arg	Pro	Arg	Arg	Leu	Arg	Leu	Leu	Leu	Leu	Leu	Ala	Ala	Thr
1				5				10					15		
Ala	Leu	Leu	Thr	His	Gly	Gln	Glu	Glu	Gly	Gln	Val	Glu	Gly	Gln	Asp
			20				25						30		
Glu	Asp	Ile	Pro	Pro	Ile	Thr	Cys	Val	Gln	Asn	Gly	Leu	Arg	Tyr	His
		35					40					45			
Asp	Arg	Asp	Val	Trp	Lys	Pro	Glu	Pro	Cys	Arg	Ile	Cys	Val	Cys	Asp
	50					55					60				
Asn	Gly	Lys	Val	Leu	Cys	Asp	Asp	Val	Ile	Cys	Asp	Glu	Thr	Lys	Asn
65					70					75					80
Cys	Pro	Gly	Ala	Glu	Val	Pro	Glu	Gly	Glu	Cys	Cys	Pro	Val	Cys	Pro
			85					90						95	
Asp	Gly	Ser	Glu	Ser	Pro	Thr	Asp	Gln	Glu	Thr	Thr	Gly	Val	Glu	Gly
			100					105					110		

Ser

<210> 129

<211> 537

<212> DNA

<213> Homo sapiens

<400> 129

ggatccatag	caggggggctg	ggcgctgggtt	gggcccacaaag	agatgcaagt	cgccgtattc	60
ccatagaaac	agctgagtca	tcagggctcc	gaagcccaca	accgccagaa	tgaggaccag	120
caggacccag	cgggctttct	tttccgcagc	cttccacgcc	tcaatctcat	tcatgggcag	180
ctcattggcg	ggctcctctg	caggcacctt	cagctcctgg	tacatcagtt	taggcttcat	240
cttccctcaa	ggctggggga	tacgcagagc	ccaggtgaga	aggtgggtgt	gtcaggggtct	300
ccaaaccctg	aggggcctcg	gcctcgctct	caggcgtctg	ctgctacctc	cgctgggccc	360
cagcttctgt	ctggacaggc	tgaacgaggg	tgggaggagg	gggcggggcc	tgtgggagct	420
ccgccactg	cagcggggag	tctgcgcagt	gcgtgccccca	gtccgggctc	accgcagcga	480
gaagcggggc	tcggctcccc	agacacggtc	gctccaggtc	gacgcggccg	cgaattc	537

<210> 130

<211> 176

<212> PRT

<213> Homo sapiens

<400> 130

Glu	Phe	Ala	Ala	Ala	Ser	Thr	Trp	Ser	Asp	Arg	Val	Trp	Gly	Ala	Glu
1				5				10					15		

Pro	Arg	Phe	Ser	Leu	Arg	Ala	Arg	Thr	Gly	Ala	Arg	Thr	Ala	Gln	Thr
			20					25					30		
Pro	Arg	Cys	Ser	Gly	Arg	Ser	Ser	His	Arg	Pro	Arg	Pro	Leu	Leu	Pro
		35					40					45			
Pro	Ser	Phe	Ser	Leu	Ser	Arg	Gln	Lys	Leu	Gly	Pro	Ser	Gly	Gly	Ser
	50					55					60				
Ser	Arg	Arg	Leu	Arg	Ala	Arg	Pro	Arg	Pro	Leu	Arg	Val	Trp	Arg	Pro
65					70					75					80
His	Thr	His	Leu	Leu	Thr	Trp	Ala	Leu	Arg	Ile	Pro	Gln	Pro	Gly	Lys
			85						90					95	
Met	Lys	Pro	Lys	Leu	Met	Tyr	Gln	Glu	Leu	Lys	Val	Pro	Ala	Glu	Glu
			100					105					110		
Pro	Ala	Asn	Glu	Leu	Pro	Met	Asn	Glu	Ile	Glu	Ala	Trp	Lys	Ala	Ala
		115					120					125			
Glu	Lys	Lys	Ala	Arg	Trp	Val	Leu	Leu	Val	Leu	Ile	Leu	Ala	Val	Val
	130					135					140				
Gly	Phe	Gly	Ala	Leu	Met	Thr	Gln	Leu	Phe	Leu	Trp	Glu	Tyr	Gly	Asp
145					150					155					160
Leu	His	Leu	Phe	Gly	Pro	Asn	Gln	Arg	Pro	Ala	Pro	Cys	Tyr	Gly	Ser
			165						170					175	

<210> 131
 <211> 392
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (9)...(354)
 <223> n = A, C, G or T

<400> 131
 gaattcggnc agtggcccg n aggaatncgg ncccggggga accttttctg agattctgcc 60
 ccaggatgcc aactttgant nggatgaana ctacaacttg tnccttctc atctgcatct 120
 ccctgctcca gctgatggtc ccagtgaata ctgatgagac catagagatt atcgtggaga 180
 ataaggtcaa ggaacttctt gccaatccag ctaactatcc ctccactgta acgaanactc 240
 tctcttgac tagtgtcaag actatgaaca gatgggcctc ctgccctgct gggatgactg 300
 ctactgggtg tgcttggtgc tttgcctgtg gatcttgga gatccagagt gganatactt 360
 gcaactgcct gtgcttactc ctgactggat cc 392

<210> 132
 <211> 130
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (3)...(118)
 <223> Xaa = any amino acid

<400> 132

Ile	Arg	Xaa	Val	Ala	Arg	Arg	Asn	Xaa	Xaa	Pro	Gly	Glu	Pro	Phe	Leu	
1				5				10						15		
Arg	Phe	Cys	Pro	Arg	Met	Pro	Thr	Leu	Xaa	Xaa	Met	Xaa	Thr	Thr	Thr	
			20					25					30			
Cys	Xaa	Leu	Leu	Ile	Cys	Ile	Ser	Leu	Leu	Gln	Leu	Met	Val	Pro	Val	
		35					40					45				
Asn	Thr	Asp	Glu	Thr	Ile	Glu	Ile	Ile	Val	Glu	Asn	Lys	Val	Lys	Glu	
	50					55				60						
Leu	Leu	Ala	Asn	Pro	Ala	Asn	Tyr	Pro	Ser	Thr	Val	Thr	Xaa	Thr	Leu	
65					70					75					80	
Ser	Cys	Thr	Ser	Val	Lys	Thr	Met	Asn	Arg	Trp	Ala	Ser	Cys	Pro	Ala	
				85					90					95		
Gly	Met	Thr	Ala	Thr	Gly	Cys	Ala	Cys	Gly	Phe	Ala	Cys	Gly	Ser	Trp	
			100					105					110			
Glu	Ile	Gln	Ser	Gly	Xaa	Thr	Cys	Asn	Cys	Leu	Cys	Leu	Leu	Leu	Thr	
		115					120					125				
Gly	Ser															
	130															

<210> 133

<211> 455

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (409)...(409)

<223> n = A, C, G or T

<400> 133

gaattcgcgg	ccgcgtcgac	ggaaagggtca	agctgggttcc	aaataactaaa	atacagatgt	60
catattcgggt	aaaatggaaa	aaatcggatg	taaaatttga	agatcgattc	gataaatatc	120
ttgatccatc	cttttttcag	cataggattc	actgggtttc	aatttttaat	tccttcatga	180
tggtgatctt	cttagtgga	ttagtttcaa	tgattttaat	gagaacttta	aggaaagatt	240
atgcccgata	cagtaaagaa	gaagaaatgg	atgacatgga	cagagaccta	ggagacgagt	300
atggctggaa	gcaggtgcat	ggagatgtgt	tcagaccgtc	aagtcaccct	ctgatcttct	360
cctccctcat	tggctctgga	tgtcagatat	ttgctgtgtc	tctcattgnt	attattgttg	420
ccatgataga	ggacttatat	acagagatgg	gatcc			455

<210> 134

<211> 455

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (409)...(409)

<223> n = A, C, G or T

<400> 134

```
gaattcgcgg cgcgcgtcgac ggaaaggtca agctgggttcc aaataactaaa atacagatgt 60
catattcggg aaaatggaaa aaatcggatg taaaatttga agatcgattc gataaatatc 120
ttgatccatc cttttttcag cataggattc actgggtttc aatttttaat tccttcatga 180
tggtgatctt cttagtggga ttagtttcaa tgattttaat gagaacttta aggaaagatt 240
atgcccgata cagtaaagaa gaagaaatgg atgacatgga cagagaccta ggagacgagt 300
atggctggaa gcaggtgcat ggagatgtgt tcagaccgtc aagtcaccct ctgatcttct 360
cctccctcat tggctctgga tgtcagatat ttgctgtgtc tctcattgnt attattgttg 420
ccatgataga ggacttatat acagagatgg gatcc 455
```

<210> 135

<211> 151

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (136)...(136)

<223> Xaa = any amino acid

<400> 135

```
Ile Arg Gly Arg Val Asp Gly Lys Val Lys Leu Val Pro Asn Thr Lys
 1           5           10           15
Ile Gln Met Ser Tyr Ser Val Lys Trp Lys Lys Ser Asp Val Lys Phe
          20           25           30
Glu Asp Arg Phe Asp Lys Tyr Leu Asp Pro Ser Phe Phe Gln His Arg
          35           40           45
Ile His Trp Phe Ser Ile Phe Asn Ser Phe Met Met Val Ile Phe Leu
          50           55           60
Val Gly Leu Val Ser Met Ile Leu Met Arg Thr Leu Arg Lys Asp Tyr
65           70           75           80
Ala Arg Tyr Ser Lys Glu Glu Glu Met Asp Asp Met Asp Arg Asp Leu
          85           90           95
Gly Asp Glu Tyr Gly Trp Lys Gln Val His Gly Asp Val Phe Arg Pro
          100          105          110
Ser Ser His Pro Leu Ile Phe Ser Ser Leu Ile Gly Ser Gly Cys Gln
          115          120          125
Ile Phe Ala Val Ser Leu Ile Xaa Ile Ile Val Ala Met Ile Glu Asp
          130          135          140
Leu Tyr Thr Glu Met Gly Ser
145           150
```

<210> 136

<211> 490

<212> DNA

<213> Mus musculus

<400> 136

```
gaattcgcgg cgcgctcgac ccaaattccat cactgtcttc tttaaagaga tagaagttat 60
attcagtgcg acgaccagtg aagtatcatg gatatacatc ataatggttg ctgtcatgta 120
tgctggaggt cctatcagca gtatcttggt gaataaatac ggcagccgct cagtaatgat 180
cgctggtggt tgtctgtctg gttgcggctt gatcgcagct tctttctgta acacagtaca 240
ggaactttac ttgtgcattg gtgttattgg aggtcttggg cttgctttca acttgaaccc 300
agctctgact atgattggca agtattttcta caagaagcga ccactggcca acggactggc 360
catggcaggg agccctgtgt tcctctctac cctgggtcca cttaatcagg ctttctttga 420
tatttttgac tggagaggaa gcttcctaata tcttgggggc ctctctctaa attgttgtgt 480
agctggatcc                                     490
```

<210> 137

<211> 163

<212> PRT

<213> Mus musculus

<400> 137

```
Asn Ser Arg Pro Arg Arg Pro Lys Ser Ile Thr Val Phe Phe Lys Glu
 1          5          10          15
Ile Glu Val Ile Phe Ser Ala Thr Thr Ser Glu Val Ser Trp Ile Ser
 20          25          30
Ser Ile Met Leu Ala Val Met Tyr Ala Gly Gly Pro Ile Ser Ser Ile
 35          40          45
Leu Val Asn Lys Tyr Gly Ser Arg Pro Val Met Ile Ala Gly Gly Cys
 50          55          60
Leu Ser Gly Cys Gly Leu Ile Ala Ala Ser Phe Cys Asn Thr Val Gln
 65          70          75          80
Glu Leu Tyr Leu Cys Ile Gly Val Ile Gly Gly Leu Gly Leu Ala Phe
 85          90          95
Asn Leu Asn Pro Ala Leu Thr Met Ile Gly Lys Tyr Phe Tyr Lys Lys
100          105          110
Arg Pro Leu Ala Asn Gly Leu Ala Met Ala Gly Ser Pro Val Phe Leu
115          120          125
Ser Thr Leu Ala Pro Leu Asn Gln Ala Phe Phe Asp Ile Phe Asp Trp
130          135          140
Arg Gly Ser Phe Leu Ile Leu Gly Gly Leu Leu Leu Asn Cys Cys Val
145          150          155          160
Ala Gly Ser
```

<210> 138

<211> 358

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (18)...(18)

<223> n = A, C, G or T

<400> 138

```
gaattcgcgg ccgctttnga cgcggcggcg gcggccgagc tggatgatcgg ctggtgcatc 60
ttcggcctct tgctcctggc tattttggcc ttttgctggg tctacgttcg gaagtaccag 120
agtcagcggg aaagtgaggt cgtctccact gtgacagcca ttttttcaact ggctgttgct 180
ctgatcacat cagcactgct gccggtggat atatttttgg tttcttacat gaaaaatcaa 240
aatggcacat tcaaggactg ggctgacgcc aatgtcaccg tacagattga gaataccggt 300
ctgtatggct actatactct gtattctgtc attctcttct gtgtgttctt ctggatcc 358
```

<210> 139

<211> 356

<212> DNA

<213> Mus musculus

<400> 139

```
gaattcgcgg ccgcgtcgac gttttttgtt ttttgttttt gtgtttgttt ttgttttttt 60
gagccagggc aatacagaaa aaaaacaaac aaacaaacaa aatgtagtgt aaagtggcct 120
gtggttctgc tgtaaagac aggttctttc atatttctca gtctagaagt cagcagtgtg 180
attgtgataa tttcatattt ggaaacctaa gtgaaacttg gtgcatgata tttattcttc 240
aaaatgcagg taagctgatg gccatatctg tctggatatg gtttgttctt tagactgagc 300
ctctgtggtt tgctaactgg gtacatgttt tattgacagc aatatgttta ggatcc 356
```

<210> 140

<211> 115

<212> PRT

<213> Mus musculus

<400> 140

```
Ile Arg Gly Arg Val Asp Val Phe Cys Phe Leu Phe Leu Cys Leu Phe
 1           5           10           15
Leu Phe Phe Ala Arg Ala Ile Gln Lys Lys Asn Lys Gln Thr Asn Lys
 20           25           30
Met Cys Lys Val Ala Cys Gly Ser Ala Val Lys Asp Arg Phe Phe His
 35           40           45
Ile Ser Gln Ser Arg Ser Gln Gln Cys Asn Cys Asp Asn Phe Ile Phe
 50           55           60
Gly Asn Leu Ser Glu Thr Trp Cys Met Ile Phe Ile Leu Gln Asn Ala
 65           70           75           80
Gly Lys Leu Met Ala Ile Ser Val Trp Ile Trp Phe Val Leu Thr Glu
 85           90           95
Pro Leu Trp Phe Ala Asn Trp Val His Val Leu Leu Thr Ala Ile Cys
100           105           110
Leu Gly Ser
115
```

<210> 141

<211> 300

<212> DNA

<213> Mus musculus

<400> 141

```
gaattcgcgg ccgcgtcgac ggacacttaa gagaagtata ttaaactctga tcttgctatg 60
tatcttttta aaatatagta ttaacatact aatataatgc taattgaaaa attaaagtac 120
atttatttgt gtacatgtgt gtgcatatac gcgtgtgccca tgggtgtgcgt gtggagagca 180
ggggacagct tgccatagct ggctctctac tgccatgaca tgggtcttag ggatcgagtt 240
catgccacta ggcttcatgt tacgggtctt cctggccctg taaatatttt gaaggggatcc 300
```

<210> 142

<211> 96

<212> PRT

<213> Mus musculus

<400> 142

```
Glu Phe Ala Ala Ala Ser Thr Asp Thr Glu Lys Tyr Ile Lys Ser Asp
 1           5           10           15
Leu Ala Met Tyr Leu Phe Lys Ile Tyr His Thr Asn Ile Met Leu Ile
      20           25           30
Glu Lys Leu Lys Tyr Ile Tyr Leu Cys Thr Cys Val Cys Ile Tyr Ala
      35           40           45
Cys Ala Met Val Cys Val Trp Arg Ala Gly Asp Ser Leu Pro Leu Ala
      50           55           60
Leu Tyr Cys His Asp Met Gly Leu Arg Asp Arg Val His Ala Thr Arg
      65           70           75           80
Leu His Val Thr Gly Leu Pro Gly Pro Val Asn Ile Leu Lys Gly Ser
      85           90           95
```

<210> 143

<211> 897

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (580)...(896)

<223> n = A, C, G or T

<400> 143

```
gaattcgcgg ccgcgtcgac ggacttttggg tctctagggt gacatttcct tcccattgcc 60
atgtaggggt cagtgatgtg cagtcgcttg tggacttaac taagtttaaa ttaaaaaaat 120
gatttttttt gttttttttaa attaaaagac attattttgt gtgagggggg aagaagagtg 180
tgaggttaga gcccataga tactaaacta gaagtcttgt ttataatagg ttgacactgg 240
caagttgtta atctctcagt ggtagtcttt ctatctctaa agtggtataa gtattgatgc 300
ttgtgttgag agtatttgct aggattagaa atcattggaa ataatgaatc aagataaaaa 360
atggcactgg aggtaggaag ctgagggcat agaatgtcac ggttctggga agttagttgg 420
aagctgagaa gttggtgata ttctggattt gctatactcg attttatctg cccatctctt 480
gattgacact ggcatacttg gcatatagac ttccaagaaa agatgttagc tattatggaa 540
ggagcattgt gtagagaccc tggagaaagg ggtagctctn caagtaggtt ctcaattaac 600
```


ataggtagag cggcgggtga cggccactgt gaactctttc ctatctactt attggtcctt 660
tagctctcac ctcaacttcta ccttccttaa cccgagcacc caggagtctg ntcttcaact 720
cttgagagaa gtaaaagatg gcttatgaaa antttantag ctgcacatag gaatgaaggt 780
gtgggctntg gaccngatga tgganattga atccctggcc ttactactat gggatttngg 840
taattaaatg gcttggaac tgaaataatt ggggggtatg aggatanttt ganannt 897

<210> 144
<211> 357
<212> DNA
<213> Mus musculus

<400> 144
gaattcgcgg ccgcgtcgac gcggcggcgg cggccgagct ggtgatcggc tgggtgcatct 60
tcggcctctt gctcctggct attttggcct tttgctgggt ctacgttcgg aagtaccaga 120
gtcagcggga aagtgaggtc gtctccactg tgacagccat tttttcactg gctgttgctc 180
tgatcacatc agcactgctg ccggtggata tatttttggt ttcttacatg aaaaatcaaa 240
atggcacatt caaggactgg gctgacgcca atgtcaccgt acagattgag aataccgttc 300
tgtatggcta ctatactctg tattctgtca ttctcttctg tgtgttcttc tggatcc 357

<210> 145
<211> 115
<212> PRT
<213> Mus musculus

<400> 145
Glu Phe Ala Ala Ala Ser Thr Arg Arg Arg Arg Pro Ser Trp Ser Ala
1 5 10 15
Gly Ala Ser Ser Ala Ser Cys Ser Trp Leu Phe Trp Pro Phe Ala Gly
20 25 30
Ser Thr Phe Gly Ser Thr Arg Val Ser Gly Lys Val Arg Ser Ser Pro
35 40 45
Leu Gln Pro Phe Phe His Trp Leu Leu Leu Ser His Gln His Cys Cys
50 55 60
Arg Trp Ile Tyr Phe Trp Phe Leu Thr Lys Ile Lys Met Ala His Ser
65 70 75 80
Arg Thr Gly Leu Thr Pro Met Ser Pro Tyr Arg Leu Arg Ile Pro Phe
85 90 95
Cys Met Ala Thr Ile Leu Cys Ile Leu Ser Phe Ser Ser Val Cys Ser
100 105 110
Ser Gly Ser
115

<210> 146
<211> 346
<212> DNA
<213> Mus musculus

<400> 146
gaattcgcgg ccgcgtcgac ctataatctg tctacctatc taaccacat acatctatct 60

```

catctatata ttcattctata cacctatttta agtatctatt gacctatgta gctactatgt 120
atctacccat gtgtctacct gtgtgtctat ttatcacata tctgtctgtc tgtctgtcta 180
tcatttgcct atctacttat ttacttagga aacaaacatg gagatgtttt tgttcaagtg 240
caaggatttt ataaaagcat ctataaaaat ctgtgtcatg gtctttgtcc tcattgatat 300
aggactgttt agtaccagca cctgctatac tctagccact ggatcc 346

```

<210> 147

<211> 112

<212> PRT

<213> Mus musculus

<400> 147

```

Asn Ser Arg Pro Arg Arg Pro Ile Ile Cys Leu Pro Ile Pro Pro Tyr
 1          5          10          15
Ile Tyr Leu Ile Tyr Ile Phe Ile Tyr Thr Pro Ile Val Ser Ile Asp
          20          25          30
Leu Cys Ser Tyr Tyr Val Ser Thr His Val Ser Thr Cys Val Ser Ile
          35          40          45
Tyr His Ile Ser Val Cys Leu Ser Val Tyr His Leu Pro Ile Tyr Leu
          50          55          60
Phe Thr Glu Thr Asn Met Glu Met Phe Leu Phe Lys Cys Lys Asp Phe
65          70          75          80
Ile Lys Ala Ser Ile Lys Ile Cys Val Met Val Phe Val Leu Ile Asp
          85          90          95
Ile Gly Leu Phe Ser Thr Ser Thr Cys Tyr Thr Leu Ala Thr Gly Ser
          100          105          110

```

<210> 148

<211> 962

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (672)...(961)

<223> n = A, C, G or T

<400> 148

```

gaattcgcgg ccgcgtcgac gtagactggt ttgcttggtt caaggattca gcaaattctct 60
gcaagttagt gctttgcatg gtgcctggcc catggtaaataaatgtcctg gcaagttaaa 120
gtcttcagag ctctatatac atttgaaccc agaactccag atgaattata ctttgaagaa 180
ggagacatta tctacatcac tgacatgagt gataccagct ggtggaaagg gacatgcaag 240
ggcagaacag gactgatccc gagcaactat gtggctgagc aggcagaatc cattgacaat 300
ccattgcatg aagctgcaaa aagaggcaac ctgagctggg tgagggagtg cttggacaac 360
cgggtgggtg tgaacggcct ggacaaagct ggaagcacag ccctgtactg ggccctgccac 420
ggtggccata aagacatagt ggaggttctg ttactcagc ccgaatgtgg agctgaacca 480
gcagaataag ctgggagaca cagctctgca cgcggtgcc tggaagggtt atgcagacat 540
tgtccagttg ctactggcaa aaggtgagag gacagacttg agaaacaatg agaagaagct 600
gccttgagaca tggccaccaa cgctgcctgt gcatcgcttc tgaagaagaa gcagcaggga 660

```

```

acagatgggg cntcgaacgt taagcaacgc ccgaaggact tanccttcgat gaccaaagac 720
ntcagactgg attccccccg ggggcccgtt ttgaatggtt ggcctaaact ttcttttngc 780
ttttngncaa tttccgggaa cctnngggtt ggnttngncc cnaaaaaagt nnttggataa 840
ccnggtggcn tttttaaaaag gtctgggatt gaaaccccga anacttggtt ggcacttggg 900
ggattcccaa cccagaaaaa acccttggtg naaaggtaaa aagnnagnct tgaaaaatcc 960
nt

```

<210> 149
 <211> 296
 <212> DNA
 <213> Mus musculus

```

<400> 149
gaattcgcgg ccgcgtcga cttttttttt tttttgactg tcctaaattg tttattggat 60
atgaatttta caaatatcac gtgtattagc ggtaacggtg gagctggaga gtattgcgcc 120
ttctccaggc tgcacggcgg gaaccaccaa tagtgtggtg gaacttgttg ccctttccaa 180
ggccacggct ctttcggcca gcagatgtca gccacgcat ctctctgtgt ttgtggactg 240
gtttggtgat cactgggtg tcaggatttc ttctgatagc tttatggaac ggatcc 296

```

<210> 150
 <211> 67
 <212> PRT
 <213> Mus musculus

```

<400> 150
Arg Trp Ser Trp Arg Val Leu Arg Leu Leu Gln Ala Ala Arg Arg Glu
 1          5          10          15
Pro Pro Ile Val Trp Trp Asn Leu Trp Pro Phe Pro Arg Pro Arg Leu
          20          25          30
Phe Arg Pro Ala Asp Val Ser Pro Arg Ile Ser Leu Cys Leu Trp Thr
          35          40          45
Gly Leu Val Ile His Trp Val Ser Gly Phe Leu Leu Ile Ala Leu Trp
 50          55          60
Asn Gly Ser
65

```

<210> 151
 <211> 356
 <212> DNA
 <213> Mus musculus

```

<400> 151
gaattcgcgg ccgcgtcga gttttttggt ttttgttttt gtgtttggtt ttgttttttt 60
gagccagggc aatacagaaa aaaaacaaac aaacaaacaa aatgtagtgt aaagtggcct 120
gtggttctgc tgttaaagac aggttctttc atatttctca gtctagaagt cagcagtgtg 180
attgtgataa tttcatattt ggaaacctaa gtgaaacttg gtgcatgata tttattcttc 240
aaaatgcagg taagctgatg gccatatctg tctggatatg gtttgttctt tagactgagc 300
ctctgtggtt tgctaactgg gtacatgttt tattgacagc aatatgttta ggatcc 356

```

<210> 152
 <211> 669
 <212> DNA
 <213> Mus musculus

<400> 152
 gaattcgcgg cccgcgtcga cctctctgtg aggagtgcag aaacatagtg ttcaaaatgc 60
 ctgctgaaat gcaagcccct cagtggctcc tgctgctact gggtatcctg ccagccacag 120
 gctcagaccc tgtgctctgc ttcacccagt atgaggagtc ctctggcagg tgcaaaggcc 180
 tacttgggag agacatcagg gtagaagact gctgtctcaa cgctgcctat gccttccagg 240
 agcatgatgg tggcctctgt caggcatgca ggtctccaca atggtcagca tggctcctat 300
 gggggccctg ctcagttaca tgttctgagg ggtcccagct gcgacacagg cgctgtgtgg 360
 gcagaggtgg tcagtgtctt gagaatgtgg ctcttgggaac tcttgagtgg cagctacagg 420
 cctgtgagga ccagccatgc tgtccagaga tgggtggctg gtctgagtgg ggaccctggg 480
 ggccttgctc tgtcacatgc tccaaaggaa cccagatccg tcaacgagta tgtgataatc 540
 ctgctcctaa gtgtgggggc cactgcccag gaagaggccc agcaatcaca ggccttgtga 600
 caccagaag acctgccccca cacatggggc tgggcatacct ggggcccctg gagcccttgt 660
 tcaggatcc 669

<210> 153
 <211> 220
 <212> PRT
 <213> Mus musculus

<400> 153
 Glu Phe Ala Ala Arg Val Asp Leu Ser Val Arg Ser Ala Glu Thr Cys
 1 5 10 15
 Ser Lys Cys Leu Leu Lys Cys Lys Pro Leu Ser Gly Ser Cys Cys Tyr
 20 25 30
 Trp Leu Ser Cys Gln Pro Gln Ala Gln Thr Leu Cys Ser Ala Ser Pro
 35 40 45
 Ser Met Arg Ser Pro Leu Ala Gly Ala Lys Ala Tyr Leu Gly Glu Thr
 50 55 60
 Ser Gly Lys Thr Ala Val Ser Thr Leu Pro Met Pro Ser Arg Ser Met
 65 70 75 80
 Met Val Ala Ser Val Arg His Ala Gly Leu His Asn Gly Gln His Gly
 85 90 95
 Pro Tyr Gly Gly Pro Ala Gln Leu His Val Leu Arg Gly Pro Ser Cys
 100 105 110
 Asp Thr Gly Ala Val Trp Ala Glu Val Val Ser Ala Leu Arg Met Trp
 115 120 125
 Leu Leu Glu Leu Leu Ser Gly Ser Tyr Arg Pro Val Arg Thr Ser His
 130 135 140
 Ala Val Gln Arg Trp Val Ala Gly Leu Ser Gly Asp Pro Gly Gly Leu
 145 150 155 160
 Ala Leu Ser His Ala Pro Lys Glu Pro Arg Ser Val Asn Glu Tyr Val
 165 170 175
 Ile Ile Leu Leu Leu Ser Val Gly Ala Thr Ala Gln Glu Glu Ala Gln
 180 185 190
 Gln Ser Gln Ala Leu His Pro Glu Asp Leu Pro His Thr Trp Ala Trp

	195		200		205
Ala	Ser Trp Gly Pro Trp Ser	Pro Cys Ser Gly Ser			
210		215		220	

<210> 154
 <211> 179
 <212> DNA
 <213> Mus musculus

<400> 154
 gaattcgggc ccgcgggcac ttctctttgt ggaatgttta aaaagtttagc ctactaaaga 60
 aaacagtcga cttcttgtga aggttttgga gaaatatgta tcagttcgtt ttatttggtt 120
 attcaataat atccttggtg ataatgctga ctccatggct tctgatccca caaggatcc 179

<210> 155
 <211> 33
 <212> PRT
 <213> Mus musculus

<400> 155
 Arg Phe Trp Arg Asn Met Tyr Gln Phe Val Leu Phe Gly Tyr Ser Ile
 1 5 10 15
 Ile Ser Leu Val Ile Met Leu Thr Pro Trp Leu Leu Ile Pro Gln Gly
 20 25 30
 Ser

<210> 156
 <211> 889
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (1)...(203)
 <223> n = A, C, G or T

<400> 156
 ngggggggccg ttccggnncan angttggctc ccgttatatt gtnaaaactt gcggcgaatg 60
 gcttgccggtt cctcgngett acggatngcc gttcccgatt gcagggctng cttcatngc 120
 ntctgcgag tcttctgatt gaaaaggaag agtaagctga tttcccatgg ccaagnccac 180
 ttctgtacct ggggtggctt ccntgggttc ctgctgtcca ggcatttctg cttccagcaa 240
 ggcagcccaa aggcaggtat gtcaagtggg atgccagagt cctcggtgga agagtgactt 300
 gtcctagcct cctcctcctc ttgctgctca gcctagtggg ccagctagca aggaagtcca 360
 ttgctgcttc tctctgacgc agacaccacc cactgtctgg agtgaagccg cctgcctttt 420
 cttcctagag cactggttct caacaccctt tgggcgtcct atatccgata tctgcatat 480
 ccaatattta catgacgatt cacaacaggc gcaaaattac aggtatgaag tagcaacaaa 540
 ataacttttag gggtggggat caccacgaca tgaggaacca tggttaaagag tctcagcgat 600

aggcaggttg agagggcgcca tcttagagct atgaccagtc agcgagggcc ttgcatacct 660
 ccccgccaaa ggaagctcag ctcaggagtg ggaatattca aagaatttg ccttttgagt 720
 agtttagctt atcctgccat tagcagaaaa tattgactgg aggggtggat tcattctaca 780
 tgttttaatt ttgaaaagta tctgtattgt gagcatatgt gtgtatcttt ggatgatttg 840
 tgcgtatgat tgctggtgcc cacagagacc agcagagggc aatggatcc 889

<210> 157
 <211> 54
 <212> PRT
 <213> Mus musculus

<400> 157
 Leu Ile Leu Pro Leu Ala Glu Asn Ile Asp Trp Arg Gly Gly Phe Ile
 1 5 10 15
 Leu His Val Leu Ile Leu Lys Ser Ile Cys Ile Val Ser Ile Cys Val
 20 25 30
 Tyr Leu Trp Met Ile Cys Ala Tyr Asp Cys Trp Cys Pro Gln Arg Pro
 35 40 45
 Ala Glu Gly Asn Gly Ser
 50

<210> 158
 <211> 179
 <212> DNA
 <213> Mus musculus

<400> 158
 gaattcaaaa aggaagagta agcttgaatt cgggacagcg gggagtcttg aggcgcaatg 60
 gatggttttg cttttatttg tgtttgataa ccatagtcgg ttatggcgac tgctatggag 120
 atgtaggcaa ggcagcctcc tgtgtgacat tctgtgtaaa ccctggagat gctggatcc 179

<210> 159
 <211> 59
 <212> PRT
 <213> Mus musculus

<400> 159
 Ile Gln Lys Gly Arg Val Ser Leu Asn Ser Gly Gln Arg Gly Val Leu
 1 5 10 15
 Arg Arg Asn Gly Trp Phe Cys Phe Tyr Leu Cys Leu Ile Thr Ile Val
 20 25 30
 Gly Tyr Gly Asp Cys Tyr Gly Asp Val Gly Lys Ala Ala Ser Cys Val
 35 40 45
 Thr Phe Thr Val Asn Pro Gly Asp Ala Gly Ser
 50 55

<210> 160
 <211> 215

<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (7)...(37)
<223> n = A, C, G or T

<400> 160
tgcttcncnc caagctttcc aggtgagaga taagggnac tcttggagtc aactttcacg 60
ggtcttgatt taaaaaggaa tcacaggtcc catatccatt acttttccta ttgttgagaa 120
caattttttt tcttttgaag atttatttat ttattttatg tgtatgcata cactatagct 180
atcttcagac tcaccagaag agggcacttg gatcc 215

<210> 161
<211> 69
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (2)...(11)
<223> Xaa = any amino acid

<400> 161
Leu Xaa Xaa Lys Leu Ser Arg Glu Ile Arg Xaa Thr Leu Gly Val Asn
1 5 10 15
Phe His Gly Ser Phe Lys Lys Glu Ser Gln Val Pro Tyr Pro Leu Leu
20 25 30
Phe Leu Leu Leu Arg Thr Ile Phe Phe Leu Leu Lys Ile Tyr Leu Phe
35 40 45
Ile Leu Cys Val Cys Ile His Tyr Ser Tyr Leu Gln Thr His Gln Lys
50 55 60
Arg Ala Leu Gly Ser
65

<210> 162
<211> 110
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (21)...(21)
<223> n = A, C, G or T

<400> 162
aggagcccag gagaatctga ncaatgagga aaaagatcat aaccatattt aagacattaa 60
acaaacaaat aattgtcttt atgcaaatag taacatcgcc agctggatcc 110

<210> 163
<211> 34
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (28)...(28)
<223> Xaa = any amino acid

<400> 163
Ala Gly Asp Val Thr Ile Cys Ile Lys Thr Ile Ile Cys Leu Phe Asn
1 5 10 15
Val Leu Asn Met Val Met Ile Phe Phe Leu Ile Xaa Gln Ile Leu Leu
20 25 30
Gly Ser

<210> 164
<211> 311
<212> DNA
<213> Mus musculus

<400> 164
gaattcaggc cgcgggggtt catgtaagtg aaggtggagt agagccctga gccctggccg 60
gctgcgtgac tgtagtagga gccggagttc tgatggtcag cgtagtcgta ttgcgagcgg 120
gtgatgggcg ggtaggaggg gctgtagtga ggaaggttga aggggctgta ggagatctgt 180
tgcggggagt gctgctgctg ctcgctgtag tggctggggc tcagctgctc cgtcttgatg 240
tgcgttcgct gggactggcc tggctcgctg ctcagcgtgg tgagcgtgtg tgcctgctac 300
tgtcaggatc c 311

<210> 165
<211> 102
<212> PRT
<213> Mus musculus

<400> 165
Ile Gln Ala Arg Gly Val His Val Ser Glu Gly Gly Val Glu Pro Ala
1 5 10 15
Leu Ala Gly Cys Val Thr Val Val Gly Ala Gly Val Leu Met Val Ser
20 25 30
Val Val Val Leu Arg Ala Gly Asp Gly Arg Val Gly Gly Ala Val Val
35 40 45
Arg Lys Val Glu Gly Ala Val Gly Asp Leu Leu Arg Gly Val Leu Leu
50 55 60
Leu Leu Ala Val Val Ala Gly Ala Gln Leu Leu Arg Leu Asp Val Arg
65 70 75 80
Ser Leu Gly Leu Ala Trp Leu Ala Ala Gln Arg Gly Glu Arg Val Cys

Leu Leu Leu Ser Gly Ser
100

90

95

<210> 166
<211> 113
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (1)...(24)
<223> Xaa = any amino acid

<400> 166
Xaa Val Ser Xaa Asn Ser Gly Xaa Xaa Arg Gly Val Xaa Leu Gly Leu
1 5 10 15
Arg Ser Val Ala Xaa Gly Phe Xaa Asp Thr Glu Val Thr Thr Pro Met
20 25 30
Gly Thr Ala Glu Val Ala Pro Asp Thr Ser Pro Arg Ser Gly Pro Ser
35 40 45
Cys Trp His Arg Leu Val Gln Val Phe Gln Ser Lys Gln Phe Arg Ser
50 55 60
Ala Lys Leu Glu Arg Leu Tyr Gln Arg Tyr Phe Phe Gln Met Asn Gln
65 70 75 80
Ser Ser Leu Thr Leu Leu Met Ala Val Leu Val Leu Leu Met Ala Val
85 90 95
Leu Leu Thr Phe His Ala Ala Pro Ala Gln Pro Gln Pro Ala Tyr Gly
100 105 110
Ser

<210> 167
<211> 248
<212> DNA
<213> Mus musculus

<400> 167
acatctctcg gaggaccatg ggctctggcg ggaagagagc cttcgagagg cggtagagat 60
tgcggaagggt gaactggatg ctggtggttg tgacgcgaag ctctgtgatg ttggtggagc 120
tgtcctgagg gcagatgtca ctctcgcttg agaatgggga cactgtgatg gtattcttca 180
gctcataaag tggcaagttg tctgaaatgc cgccatccac atagcgcacc ccttagaggc 240
taggatcc 248

<210> 168
<211> 107
<212> PRT
<213> Mus musculus

<220>
 <221> UNSURE
 <222> (2)...(30)
 <223> Xaa = any amino acid

<400> 168
 Gly Xaa Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa Gly Xaa Xaa Ser Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Cys Xaa Xaa Ile Ser
 20 25 30
 Arg Arg Thr Met Gly Ser Gly Gly Lys Arg Ala Phe Glu Arg Arg Arg
 35 40 45
 Leu Arg Arg Leu Asn Trp Met Leu Val Leu Val Thr Arg Ser Ser Trp
 50 55 60
 Met Leu Val Glu Leu Ser Gly Gln Met Ser Leu Ser Pro Glu Asn Gly
 65 70 75 80
 Asp Thr Val Met Val Phe Phe Ser Ser Ser Gly Lys Leu Ser Glu Met
 85 90 95
 Pro Pro Ser Thr Arg Thr Pro Arg Leu Gly Ser
 100 105

<210> 169
 <211> 420
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (46)...(63)
 <223> n = A, C, G or T

<400> 169
 gaattcgcgg ccgcgtcgac cttttttttt tttttttttt tttttntttt tttttttntn 60
 nnnnggatttt tccaagataa aacttttattg gagacagcaa ggagtatact gaaagtgggg 120
 gagccatgcc ttcattccat aactgcaatc agatgctctc ctctgagaga gagtgtgtgg 180
 ggagccaagg tgagaagcag gtatgattca caccccaact gcttggagag tgcttatatg 240
 acagtctttt tctcgatttt attttttctc agttcttcaa cacacacttt ggcttcattt 300
 gggggaaaat taaacaaaag aacagaattt ccctcccca gagttactta tgaaatgaca 360
 cagctgccct tttctttgaa gggattcttg tcttctggga ttccctttac cagaggatcc 420

<210> 170
 <211> 140
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE

<222> (16)...(21)

<223> Xaa = any amino acid

<400> 170

Glu	Phe	Ala	Ala	Ala	Ser	Thr	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Xaa
1				5				10					15		
Phe	Phe	Phe	Xaa	Xaa	Gly	Phe	Phe	Gln	Asp	Lys	Thr	Leu	Leu	Glu	Thr
			20					25					30		
Ala	Arg	Ser	Ile	Leu	Lys	Val	Gly	Glu	Pro	Cys	Leu	His	Ser	Ile	Thr
		35					40					45			
Ala	Ile	Arg	Cys	Ser	Pro	Leu	Arg	Glu	Ser	Val	Trp	Gly	Ala	Lys	Val
	50					55					60				
Arg	Ser	Arg	Tyr	Asp	Ser	His	Pro	Asn	Cys	Leu	Glu	Ser	Ala	Tyr	Met
65					70				75						80
Thr	Val	Phe	Phe	Ser	Ile	Leu	Phe	Phe	Leu	Ser	Ser	Ser	Thr	His	Thr
				85				90						95	
Leu	Ala	Ser	Phe	Gly	Gly	Lys	Leu	Asn	Lys	Arg	Thr	Glu	Phe	Pro	Ser
			100					105					110		
Pro	Arg	Val	Thr	Tyr	Glu	Met	Thr	Gln	Leu	Pro	Phe	Ser	Leu	Lys	Gly
		115					120					125			
Phe	Leu	Ser	Ser	Gly	Ile	Pro	Phe	Thr	Arg	Gly	Ser				
	130					135					140				

<210> 171

<211> 334

<212> DNA

<213> Mus musculus

<400> 171

gaattcgcgg	ccgcgtcgac	ggcggctccg	gaggtgctgg	agtcagacgt	gtcaagttcg	60
ataacacttt	tgaaaaacct	ccaggagcag	gtgagtatgt	atgtctttta	gaataaatca	120
gtcagggggt	aactttgact	ttgtaagtct	catccacaca	ctttgatgat	tcgaatacta	180
caaaattatc	ttaggtgtaa	aataaaagcc	ttatatgcgc	ttcatgaaag	ttcaaaataa	240
ttcattcagc	tcccaaagaa	atacagaaag	ctgtttttcc	cccattcact	tacttattta	300
tttattttat	ttagtcactt	tacattccgg	atcc			334

<210> 172

<211> 105

<212> PRT

<213> Mus musculus

<400> 172

Asn	Ser	Arg	Pro	Arg	Arg	Arg	Arg	Leu	Arg	Arg	Cys	Trp	Ser	Gln	Thr
1				5				10						15	
Cys	Gln	Val	Arg	His	Phe	Lys	Thr	Ser	Arg	Ser	Arg	Val	Cys	Met	Ser
			20					25					30		
Phe	Arg	Ile	Asn	Gln	Ser	Gly	Val	Asn	Phe	Asp	Phe	Val	Ser	Leu	Ile
		35				40					45				
His	Thr	Leu	Phe	Glu	Tyr	Tyr	Lys	Ile	Ile	Leu	Gly	Val	Lys	Lys	Pro

50		55		60
Trp Trp Trp Val Tyr Gly	Trp Met Asp Gly Trp Val Gly Glu Trp Met			
65	70	75	80	
Asn Gly Val Gly Gly Arg Tyr Val Ile Gly Met Met Asp Arg Tyr Ile				
85	90	95		
Phe Arg Glu Lys Ser Phe Ser Arg Glu Phe Val Lys Leu Ala Lys Leu				
100	105	110		
Arg Trp Gln Pro Glu Gln Arg Trp Ser Gln Val Gly Gly Val Cys Leu				
115	120	125		
Pro Arg Gly Phe Ser Ser Tyr Phe Met Ile Asp Cys Ser Val Ile Pro				
130	135	140		
Ala Leu Thr Lys Trp Arg Leu Thr Leu Glu Gln Ser Lys Trp Ile Ile				
145	150	155		160
Leu Ala Gly Phe Pro Leu Ala Gly Val Met Leu Ala Gln Val Trp Ile				
165	170	175		
Asn His Ser His Phe Leu Ser Ala Leu Leu Asp Cys Gly Gly Arg Asp				
180	185	190		
Leu Ser Arg Val Lys Ala Ala Gln Met Met Arg Glu Ala Arg Gly Ser				
195	200	205		

<210> 175
 <211> 619
 <212> DNA
 <213> Mus musculus

<400> 175
 gaagtgaaag ttcgtccaag gcagcacaac tgcacttggtg tggtataaca gccagatcac 60
 agctccctat gcggaaccgag tcaccttctc atccagtggc atcacgttca gttctgtgac 120
 ccggaaggac aatggagagt atacttgcac ggtctccgag gaaggtggcc agaactacgg 180
 ggaggtcagc atccacctca ctgtgcttgt acctccatcc aagccgacga tcagtgtccc 240
 ctctctctgtc accattggga acagggcagt gctgacctgc tcagagcatg atggttcccc 300
 accctctgaa tattcctggt tcaaggacgg gatatccatg cttacagcag atgccaagaa 360
 aacccgggcc ttcatgaatt cttcattcac cattgatcca aagtcggggg atctgatctt 420
 tgaccccggtg acagcctttg atagtgggtga atactactgc caggcccaga atggatatgg 480
 gacagccatg aggtcagagg ctgcacacat ggatgctgtg gagctgaatg tggggggcat 540
 cgtggcagct gtcttggtaa cactgattct ccttggactc ttgatttttg gcgtctggtt 600
 tgcctatagc cacgatcc 619

<210> 176
 <211> 205
 <212> PRT
 <213> Mus musculus

<400> 176
 Lys Lys Phe Val Gln Gly Ser Thr Thr Ala Leu Val Cys Tyr Asn Ser
 1 5 10 15
 Gln Ile Thr Ala Pro Tyr Ala Asp Arg Val Thr Phe Ser Ser Ser Gly
 20 25 30
 Ile Thr Phe Ser Ser Val Thr Arg Lys Asp Asn Gly Glu Tyr Thr Cys

		35					40					45			
Met	Val	Ser	Glu	Glu	Gly	Gly	Gln	Asn	Tyr	Gly	Glu	Val	Ser	Ile	His
	50					55					60				
Leu	Thr	Val	Leu	Val	Pro	Pro	Ser	Lys	Pro	Thr	Ile	Ser	Val	Pro	Ser
65					70					75				80	
Ser	Val	Thr	Ile	Gly	Asn	Arg	Ala	Val	Leu	Thr	Cys	Ser	Glu	His	Asp
			85						90				95		
Gly	Ser	Pro	Pro	Ser	Glu	Tyr	Ser	Trp	Phe	Lys	Asp	Gly	Ile	Ser	Met
			100					105					110		
Leu	Thr	Ala	Asp	Ala	Lys	Lys	Thr	Arg	Ala	Phe	Met	Asn	Ser	Ser	Phe
		115					120					125			
Thr	Ile	Asp	Pro	Lys	Ser	Gly	Asp	Leu	Ile	Phe	Asp	Pro	Val	Thr	Ala
	130					135					140				
Phe	Asp	Ser	Gly	Glu	Tyr	Tyr	Cys	Gln	Ala	Gln	Asn	Gly	Tyr	Gly	Thr
145				150				155						160	
Ala	Met	Arg	Ser	Glu	Ala	Ala	His	Met	Asp	Ala	Val	Glu	Leu	Asn	Val
			165					170					175		
Gly	Gly	Ile	Val	Ala	Ala	Val	Leu	Val	Thr	Leu	Ile	Leu	Leu	Gly	Leu
		180					185					190			
Leu	Ile	Phe	Gly	Val	Trp	Phe	Ala	Tyr	Ser	His	Gly	Ser			
	195						200					205			

<210> 177
 <211> 542
 <212> DNA
 <213> Mus musculus

<400> 177
 gaattcgcgg ccgcgtcgac caagcccaga tggttgctgag catgaacagc ctggagtcgc 60
 tgaatgcggg tgtacagcag aacaatactg agtcctttgc cgtcgctctc tgccatcttg 120
 cagagctcca tgcagaacag ggctgttttg cggctgctgg tgaagtatta aagcacttga 180
 aggaccgatt tccacccaac agtcagcacg cccagttatg gatgctgtgt gatcaaaaaa 240
 tacagtttga cagagcaatg aatgatggca aattccattt ggctgattca cttgttacag 300
 gaatcacagc gcttaatggc atagaagggtg tatacaggaa agcagtcgta ctgcaggctc 360
 agaaccaaat gacagaggca cacaagctac tacagaagtt gctgacatac tgtcagaagt 420
 taaagaacac agaaatggtc atcagtgtcc tcctatcggt ggcagagctg tactggcgat 480
 cttcgtcccc gaccatcgcc atgcctgtgc tcctggaagc tctggccctc tccaaaggat 540
 cc 542

<210> 178
 <211> 180
 <212> PRT
 <213> Mus musculus

<400> 178
 Ile Arg Gly Arg Val Asp Gln Ala Gln Met Leu Leu Ser Met Asn Ser
 1 5 10 15
 Leu Glu Ser Leu Asn Ala Gly Val Gln Gln Asn Asn Thr Glu Ser Phe
 20 25 30

Ala	Val	Ala	Leu	Cys	His	Leu	Ala	Glu	Leu	His	Ala	Glu	Gln	Gly	Cys
		35					40					45			
Phe	Ala	Ala	Ala	Gly	Glu	Val	Leu	Lys	His	Leu	Lys	Asp	Arg	Phe	Pro
	50					55					60				
Pro	Asn	Ser	Gln	His	Ala	Gln	Leu	Trp	Met	Leu	Cys	Asp	Gln	Lys	Ile
65					70					75					80
Gln	Phe	Asp	Arg	Ala	Met	Asn	Asp	Gly	Lys	Phe	His	Leu	Ala	Asp	Ser
				85					90					95	
Leu	Val	Thr	Gly	Ile	Thr	Ala	Leu	Asn	Gly	Ile	Glu	Gly	Val	Tyr	Arg
			100					105					110		
Lys	Ala	Val	Val	Leu	Gln	Ala	Gln	Asn	Gln	Met	Thr	Glu	Ala	His	Lys
		115					120					125			
Leu	Leu	Gln	Lys	Leu	Leu	Thr	Tyr	Cys	Gln	Lys	Leu	Lys	Asn	Thr	Glu
	130					135					140				
Met	Val	Ile	Ser	Val	Leu	Leu	Ser	Val	Ala	Glu	Leu	Tyr	Trp	Arg	Ser
145					150					155					160
Ser	Ser	Pro	Thr	Ile	Ala	Met	Pro	Val	Leu	Leu	Glu	Ala	Leu	Ala	Leu
				165					170					175	
Ser	Lys	Gly	Ser												
			180												

<210> 179
 <211> 640
 <212> DNA
 <213> Mus musculus

<400> 179
 caagtcaatg tacaaaatgt ctggcaatgc ctcatTTTaaa attaaattgg tttattgaga 60
 acagctgttt ttgatgtgta acgtgaagca agacagagcc ctgctgtgag cagctggcag 120
 aagatttttt ttttttaatt attggtacat attacccttc aaatctgaga atttgacta 180
 attgcaccaa agaaccctct aatttggtcc ctggcacatg cgtacctgtc aacttttttt 240
 cttttacaag acctgcatgc tgtcggccat cgccttctcc aatgtttttg agcactatTT 300
 gggggatgac atgaaaaggg aaaaccacc tgtggaggac agcagtgatg aggatgacaa 360
 aagaaaccca ggaaacttgt atgacaaggc aggtaaagtg aggaagcatg tgacagagca 420
 agagaaacct gaagagggct tgggccccaa catcaaaagc attgtgacca tgctgatgct 480
 catgctcctg atgatgttcg cggteactg cacgtggggtc acaagcaacg cctactccag 540
 tccaagtgtg gtccttgcct cctacaatca tgatggtacc aggaatatat tagatgattt 600
 tagagaagcg tacttttggc tgagacaaaa caccggatcc 640

<210> 180
 <211> 209
 <212> PRT
 <213> Mus musculus

<400> 180
 Lys Ser Met Tyr Lys Met Ser Gly Asn Ala Ser Phe Lys Ile Lys Leu
 1 5 10 15
 Val Tyr Glu Gln Leu Phe Leu Met Cys Asn Val Lys Gln Asp Arg Ala
 20 25 30

Leu	Leu	Ala	Ala	Gly	Arg	Arg	Phe	Phe	Phe	Phe	Asn	Tyr	Trp	Tyr	Ile
		35					40				45				
Leu	Pro	Phe	Lys	Ser	Glu	Asn	Leu	Asp	Leu	His	Gln	Arg	Thr	Leu	Phe
	50					55					60				
Gly	Pro	Trp	His	Met	Arg	Thr	Cys	Gln	Leu	Phe	Phe	Tyr	Lys	Thr	
65					70				75					80	
Cys	Met	Leu	Ser	Ala	Ile	Ala	Phe	Ser	Asn	Val	Phe	Glu	His	Tyr	Leu
			85						90					95	
Gly	Asp	Asp	Met	Lys	Arg	Glu	Asn	Pro	Pro	Val	Glu	Asp	Ser	Ser	Asp
			100					105					110		
Glu	Asp	Asp	Lys	Arg	Asn	Pro	Gly	Asn	Leu	Tyr	Asp	Lys	Ala	Gly	Lys
			115				120					125			
Val	Arg	Lys	His	Val	Thr	Glu	Gln	Glu	Lys	Pro	Glu	Glu	Gly	Leu	Gly
	130					135					140				
Pro	Asn	Ile	Lys	Ser	Ile	Val	Thr	Met	Leu	Met	Leu	Met	Leu	Leu	Met
145					150					155					160
Met	Phe	Ala	Val	His	Cys	Thr	Trp	Val	Thr	Ser	Asn	Ala	Tyr	Ser	Ser
			165						170					175	
Pro	Ser	Val	Val	Leu	Ala	Ser	Tyr	Asn	His	Asp	Gly	Thr	Arg	Asn	Ile
			180					185					190		
Leu	Asp	Asp	Phe	Arg	Glu	Ala	Tyr	Phe	Trp	Leu	Arg	Gln	Asn	Thr	Gly
		195					200					205			

Ser

<210> 181
 <211> 671
 <212> DNA
 <213> Mus musculus

 <220>
 <221> unsure
 <222> (5)...(71)
 <223> n = A, C, G or T

<400> 181
 agccngttta tctttgggta canaaagccc actgattggt ttgtggttatt ttatatcaag 60
 ctactgcact naagctgttt atctgggtta ggagttctct ggtgaatttt agggtcactt 120
 atatatacta tcatatcatc tgcaaatagt gatatttttg acttcttctt tccaatttgt 180
 atccccttga cctccttttg ttgtggaatt gctctggcta ggacttcaag tactatatgt 240
 aataggtggg gagaaagtgg cagcttgtct agtccctgat tttagtggga ttgcttccag 300
 tttctatcca ttacttttga tgttggttac tggtttgctg tagattgctt ttattatggt 360
 caggatatggg ccttgaattc ctgatctttc caagactttt atcttgaatg ggtgttggat 420
 tttgtcaaag gctttttccg catctaata tcatgtgggt tttgtctttg agtttgcttt 480
 tatagtggat tacaatgatg gatttccgta tattaacca tccctgcac cctgggatga 540
 agtctacttg gtcacgatgg atgatcattt tgatgtgttc ttggatttgg tttgctagga 600
 ttttattgag tatttttgca ttgatattca taagggaat tggctctgaag ttctctatcc 660
 ttgttgatc c 671

<210> 182
 <211> 212
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (7)...(7)
 <223> Xaa = any amino acid

<400> 182
 Pro Val Tyr Leu Trp Val Xaa Lys Ala His Leu Val Cys Val Ile Leu
 1 5 10 15
 Tyr Gln Ala Thr Ala Leu Lys Leu Phe Ile Trp Phe Arg Ser Ser Leu
 20 25 30
 Val Asn Phe Arg Val Thr Tyr Ile Tyr Tyr His Ile Ile Cys Lys Tyr
 35 40 45
 Phe Leu Leu Leu Ser Asn Leu Tyr Pro Leu Asp Leu Leu Leu Trp
 50 55 60
 Asn Cys Ser Gly Asp Phe Lys Tyr Tyr Ile Glu Val Gly Arg Lys Trp
 65 70 75 80
 Gln Leu Val Ser Leu Ile Leu Val Gly Leu Leu Pro Val Ser Ile His
 85 90 95
 Leu Leu Cys Trp Leu Leu Val Cys Cys Arg Leu Leu Leu Leu Cys Ser
 100 105 110
 Gly Met Gly Leu Glu Phe Leu Ile Phe Pro Arg Leu Leu Ser Met Gly
 115 120 125
 Val Gly Phe Cys Gln Met Leu Phe Pro His Leu Met Ile Met Trp Phe
 130 135 140
 Leu Ser Leu Ser Leu Leu Leu Trp Ile Thr Met Met Asp Phe Arg Ile
 145 150 155 160
 Leu Asn His Pro Cys Ile Pro Gly Met Lys Ser Thr Trp Ser Trp Met
 165 170 175
 Ile Ile Leu Met Cys Ser Trp Ile Trp Phe Ala Arg Ile Leu Leu Ser
 180 185 190
 Ile Phe Ala Leu Ile Phe Ile Arg Glu Ile Gly Leu Lys Phe Ser Ile
 195 200 205
 Leu Val Gly Ser
 210

<210> 183
 <211> 637
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (23)...(99)
 <223> n = A, C, G or T

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<400> 183
aagtcaatgt acaaaatgtc tgncaatgcn tcatttaaaa ttaaattgggt ttattgagac 60
agctgtttnt gatgtgtaac gtgaagcaag acagagccnt gttgtgagca gtggcagaag 120
atTTTTTTTT tttaattatt ggtacatatt acccttcaaa tctgagaatt tggactaatt 180
gcaccaaaga accctctaatt ttggtccctg gcacatgcgt acctgtcaac tttttttctt 240
ttacaagacc tgcattgctgt cggccatcgc cttctccaat gtttttgagc actatttggg 300
ggatgacatg aaaagggaaa acccacctgt ggaggacagc agtgatgagg atgacaaaag 360
aaaccagga aacttgatat acaaggcagg taaagtgagg aagcatgtga cagagcaaga 420
gaaacctgaa gagggcttgg gccccaacat caaaagcatt gtgaccatgc tgatgctcat 480
gctcctgatg atgttcgcgg tccactgcac gtgggtcaca agcaacgcct actccagtcc 540
aagtgtggtc cttgcctcct acaatcatga tggtagcagg aatatattag atgattttag 600
agaagcgtac ttttggtgta gacaaaacac cggatcc 637

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<210> 184
<211> 209
<212> PRT
<213> Mus musculus

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<220>
<221> UNSURE
<222> (8)...(32)
<223> Xaa = any amino acid

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<400> 184
Ser Gln Cys Thr Lys Cys Leu Xaa Met Xaa His Leu Lys Leu Asn Trp
 1          5          10          15
Phe Ile Glu Thr Ala Val Xaa Asp Val Arg Glu Ala Arg Gln Ser Xaa
          20          25          30
Val Val Ser Ser Gly Arg Arg Phe Phe Phe Phe Asn Tyr Trp Tyr Ile
          35          40          45
Leu Pro Phe Lys Ser Glu Asn Leu Asp Leu His Gln Arg Thr Leu Phe
          50          55          60
Gly Pro Trp His Met Arg Thr Cys Gln Leu Phe Phe Tyr Lys Thr
65          70          75          80
Cys Met Leu Ser Ala Ile Ala Phe Ser Asn Val Phe Glu His Tyr Leu
          85          90          95
Gly Asp Asp Met Lys Arg Glu Asn Pro Pro Val Glu Asp Ser Ser Asp
          100          105          110
Glu Asp Asp Lys Arg Asn Pro Gly Asn Leu Tyr Asp Lys Ala Gly Lys
          115          120          125
Val Arg Lys His Val Thr Glu Gln Glu Lys Pro Glu Glu Gly Leu Gly
          130          135          140
Pro Asn Ile Lys Ser Ile Val Thr Met Leu Met Leu Met Leu Leu Met
145          150          155          160
Met Phe Ala Val His Cys Thr Trp Val Thr Ser Asn Ala Tyr Ser Ser
          165          170          175
Pro Ser Val Val Leu Ala Ser Tyr Asn His Asp Gly Thr Arg Asn Ile
          180          185          190
Leu Asp Asp Phe Arg Glu Ala Tyr Phe Trp Leu Arg Gln Asn Thr Gly

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195

200

205

Ser

<210> 185

<211> 669

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (8)...(78)

<223> n = A, C, G or T

<400> 185

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cgccccancc aancgtgttcg ccaggcctaaa ggcgcgcgatg ccgacggcga gnatctcgtc 60
gtgacccatg ccgatgcntg cttgccnaat atcatgggtga aaatggccgc tttttctgna 120
ttcatcgact gtggccggct ggggtgtggcg gaccgctatc aggacatagc gttggctacc 180
cgtgatattg ctaagagctt ggcggcgaat gggctgaccg cttcctcgtg ctttacggta 240
tcgccgctcc cgattcgcag cgcctcgcct tctatcgcct tcttgacgag ttcttctgaa 300
ttgaaaaaga agagtaagct tgaattcgcg gccgcgtcga ccgcggctac aacctccgga 360
gcgatgcccg tggggggcct gttgccgctc ttcagtagcc ctggggggcg cggcctgggc 420
agtggcctgg gcggggggct tggcggcggg aggaaggggt ctggccccgc tgccttcgcg 480
ctcaccgaga agttcgtgct gctgctgggt ttcagcgcct tcatcacgct ctgcttcggg 540
gcaatcttct tcctgcctga ctctccaag ctgctcagcg gggtcctgtt ccactccaac 600
cctgccttgc agccgccggc ggagcacaag cccgggctcg gggcgcgtgc ggaggatgcc 660
gccggatcc 669

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<210> 186

<211> 223

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (3)...(40)

<223> Xaa = any amino acid

<400> 186

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Arg Pro Xaa Gln Xaa Val Arg Gln Ala Lys Gly Ala His Ala Asp Gly
 1           5           10           15
Glu Xaa Leu Val Val Thr His Ala Asp Ala Cys Leu Pro Asn Ile Met
          20           25           30
Val Lys Met Ala Ala Phe Ser Xaa Phe Ile Asp Cys Gly Arg Leu Gly
          35           40           45
Val Ala Asp Arg Tyr Gln Asp Ile Ala Leu Ala Thr Arg Asp Ile Ala
          50           55           60
Lys Ser Leu Ala Ala Asn Gly Leu Thr Ala Ser Ser Cys Phe Thr Val
65           70           75           80

```

Ser	Pro	Leu	Pro	Ile	Arg	Ser	Ala	Ser	Pro	Ser	Ile	Ala	Phe	Leu	Thr
				85					90					95	
Ser	Ser	Ser	Glu	Leu	Lys	Lys	Lys	Ser	Lys	Leu	Glu	Phe	Ala	Ala	Ala
			100					105					110		
Ser	Thr	Ala	Ala	Thr	Thr	Ser	Gly	Ala	Met	Pro	Val	Gly	Gly	Leu	Leu
		115					120					125			
Pro	Leu	Phe	Ser	Ser	Pro	Gly	Gly	Gly	Gly	Leu	Gly	Ser	Gly	Leu	Gly
	130					135					140				
Gly	Gly	Leu	Gly	Gly	Gly	Arg	Lys	Gly	Ser	Gly	Pro	Ala	Ala	Phe	Arg
145					150					155					160
Leu	Thr	Glu	Lys	Phe	Val	Leu	Leu	Leu	Val	Phe	Ser	Ala	Phe	Ile	Thr
				165					170					175	
Leu	Cys	Phe	Gly	Ala	Ile	Phe	Phe	Leu	Pro	Asp	Ser	Ser	Lys	Leu	Leu
		180						185					190		
Ser	Gly	Val	Leu	Phe	His	Ser	Asn	Pro	Ala	Leu	Gln	Pro	Pro	Ala	Glu
	195						200					205			
His	Lys	Pro	Gly	Leu	Gly	Ala	Arg	Ala	Glu	Asp	Ala	Ala	Gly	Ser	
	210					215					220				

<210> 187
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 187
 gaattcgcgg cgcgctcgac ctcagcttga tctactggac ttgatttgga aaaaaaagtt 60
 ataactttca acaccaactt aaaatgtaat ttccttattt cataagggtgg gggaactgaa 120
 attcatgatc tagaaggagc ttaagggtatt atctagggat agttcctccc ttttgggggtt 180
 gattccttata atactttctg taattttctc tataaatatt aatatgtatt tatttgtgtgt 240
 gggatatgcat atatatgtat gtatatatga atatggatcc 280

<210> 188
 <211> 217
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (3)...(37)
 <223> Xaa = any amino acid

His	Val	Xaa	Gly	Asn	Arg	Ser	Cys	Arg	Xaa	Gly	Xaa	Gly	Arg	Xaa	Ser
1				5					10					15	
Ile	Arg	Gly	Ser	Arg	Pro	Pro	Xaa	Leu	Phe	Ala	Arg	Xaa	Lys	Ala	Arg
			20					25					30		
His	Ala	Arg	Arg	Xaa	Arg	Ser	Ser	Ser	Val	Thr	His	Gly	Asp	Ala	Cys
	35					40						45			
Leu	Pro	Asn	Ile	Met	Val	Lys	Met	Ala	Ala	Phe	Leu	Asn	Ser	Ser	Thr

50		55		60
Val Ala Gly Trp Val Trp Arg Pro Leu Ser Asp Ile Ala Leu Ala Thr				
65		70		75
Arg Asp Ile Ala Glu Leu Gly Gly Glu Trp Ala Asp Arg Phe Leu				
	85		90	95
Val Leu Tyr Gly Ile Ala Ala Pro Asp Ser Gln Arg Ile Ala Phe Tyr				
	100		105	110
Arg Leu Leu Asp Glu Phe Phe Ile Glu Lys Gly Arg Val Ser Leu Asn				
	115		120	125
Ser Arg Pro Arg Arg Pro Gln Leu Asp Leu Leu Asp Leu Ile Trp Lys				
	130		135	140
Lys Lys Leu Leu Ser Thr Pro Thr Asn Val Ile Ser Leu Phe His Lys				
145		150		155
Val Gly Glu Leu Lys Phe Met Ile Lys Glu Leu Lys Val Leu Ser Arg				
	165		170	175
Asp Ser Ser Ser Leu Leu Gly Leu Ile Leu Ile Ile Leu Ser Val Ile				
	180		185	190
Phe Ser Ile Asn Ile Asn Met Tyr Leu Leu Cys Val Gly Met His Ile				
	195		200	205
Tyr Val Cys Ile Tyr Glu Tyr Gly Ser				
210		215		

<210> 189
 <211> 479
 <212> DNA
 <213> Mus musculus

<400> 189
 gaattcgcg cgcgctcgac gagattatga gtttttatgt taataatttc tgattttgta 60
 tagatttttag tcatcattaa ataaaactta cctagttatg tctcagttct caagaaagtc 120
 tgaggaggca aagatgacta tcttctaatt ggttttgagg gattctcatt aatgtgtaac 180
 ctttttgta agctgccaaag cctcacagat gagtgtgaag ctagagatgt tgaatcttgc 240
 aggctgcatt accaattctg catcatcatc tagatttttc ctcttatgtc aatgatcatt 300
 tggaaattta ctggtgctgt cttaaaaggg aaatcatggt taaggattca gataatagaa 360
 tatttaaaaa ttttcaacag atatttcctt tgtgctctct atggacaggt tattttattta 420
 ttacttttct gttttgttct gatgtactta ctccatatgc ctggaaagtc cttggatcc 479

<210> 190
 <211> 148
 <212> PRT
 <213> Mus musculus

<400> 190
Ile Arg Gly Arg Val Asp Glu Ile Met Ser Phe Tyr Val Asn Asn Phe
1 5 10 15
Phe Cys Ile Asp Phe Ser His His Ile Lys Leu Thr Leu Cys Leu Ser
20 25 30
Ser Gln Glu Ser Leu Arg Arg Gln Arg Leu Ser Ser Asn Trp Phe Gly
35 40 45

Ile	Leu	Ile	Asn	Val	Pro	Phe	Cys	Ala	Ala	Lys	Pro	His	Arg	Val	Ser
50						55				60					
Arg	Cys	Ile	Leu	Gln	Ala	Ala	Leu	Pro	Ile	Leu	His	His	His	Leu	Asp
65					70					75					80
Phe	Ser	Ser	Tyr	Val	Asn	Asp	His	Leu	Glu	Ile	Tyr	Trp	Cys	Cys	Leu
			85						90					95	
Lys	Arg	Glu	Ile	Met	Phe	Lys	Asp	Ser	Asp	Asn	Arg	Ile	Phe	Lys	Asn
			100					105					110		
Phe	Gln	Gln	Ile	Phe	Pro	Leu	Cys	Ser	Leu	Trp	Thr	Gly	Tyr	Leu	Phe
		115					120					125			
Ile	Tyr	Phe	Leu	Phe	Cys	Ser	Asp	Val	Leu	Thr	Pro	Tyr	Ala	Trp	Lys
	130					135					140				
Val	Leu	Gly	Ser												
145															

<210> 191
 <211> 289
 <212> DNA
 <213> Mus musculus

<400> 191
 gaattcgcgg ccgcgtcgac gccaaagactt cacacagttc tgattgtccc agaagccttg 60
 cgtttgtcaa aacatgacaa tgagatatga aaacttccag aacttggagc gggaagagaa 120
 aaaccaggag atgagaaatg gtgacaagaa aggaggaatg gagtctccaa agtttgctct 180
 aattccttcc cagtccttcc tgtggcgcat cctctcttgg acccacctcc tcctgttctc 240
 cctgggcctc agcctcctgc tactggtggt catctccgtg attggatcc 289

<210> 192
 <211> 95
 <212> PRT
 <213> Mus musculus

Asn	Ser	Arg	Pro	Arg	Arg	Arg	Gln	Asp	Phe	Thr	Gln	Phe	Leu	Ser	Gln
1				5					10					15	
Lys	Pro	Cys	Val	Cys	Gln	Asn	Met	Thr	Met	Arg	Tyr	Glu	Asn	Phe	Gln
			20					25					30		
Asn	Leu	Glu	Arg	Glu	Glu	Lys	Asn	Gln	Glu	Met	Arg	Asn	Gly	Asp	Lys
		35				40					45				
Lys	Gly	Gly	Met	Glu	Ser	Pro	Lys	Phe	Ala	Leu	Ile	Pro	Ser	Gln	Ser
	50					55				60					
Phe	Leu	Trp	Arg	Ile	Leu	Ser	Trp	Thr	His	Leu	Leu	Leu	Phe	Ser	Leu
65					70					75					80
Gly	Leu	Ser	Leu	Leu	Leu	Leu	Val	Val	Ile	Ser	Val	Ile	Gly	Ser	
			85					90						95	

<210> 193
 <211> 658

<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (24)...(152)
<223> n = A, C, G or T

<400> 193
aaactgacgg catgatgagg acantatgac gaaagtaaag gttacaaaan gagctgagaa 60
cagctgggtc cagtgcgaag anacacggcc aggttggcaa anaggtgcag cggcacaggc 120
cgactcgnag ccgacatgaa ggatctacgc anccgactcg ggcagtaccg caacgaggtg 180
cacaccatgt tgggccagag cacagaggag atacgggcgc ggctctccac acacctgcgc 240
aagatgcgca agcgcttgat gcgggatgcc gaggatctgc agaagcgcct agcttgtgta 300
caaggcaggg gcacgcgagg gcgccgagcg cgggtgtgagt gccatccgtg agcgcctggg 360
gcctctgggtg gagcaaggtc gccagcgcac cgccaacctg ggcgctgggg ccgcccagcc 420
tctgcgcgat cgcgcccagg cttttgggtga ccgcatccga gggcggctgg aggaagtggg 480
caaccaggcc cgtgaccgcc tagaggaggt gcgtgagcac atggaggagg tgcgctccaa 540
gatggaggaa ctctcgagtc ccagcatcag agcgcgtgga ccttttcccg cgtcccgcag 600
catgcaggtc tcccgtgtgc tggccgcgct gtgcggcatg ctactctgcg ccg gatcc 658

<210> 194
<211> 215
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (7)...(49)
<223> Xaa = any amino acid

<400> 194
Asn Arg His Asp Glu Asp Xaa Met Thr Lys Val Lys Val Thr Lys Xaa
1 5 10 15
Ala Glu Asn Ser Trp Val Gln Cys Glu Xaa Thr Arg Pro Gly Trp Gln
20 25 30
Xaa Gly Ala Ala Gln Ala Asp Ser Xaa Pro Thr Arg Ile Tyr Ala
35 40 45
Xaa Asp Ser Gly Ser Thr Ala Thr Arg Cys Thr Pro Cys Trp Ala Arg
50 55 60
Ala Gln Arg Arg Tyr Gly Arg Gly Ser Pro His Thr Cys Ala Arg Cys
65 70 75 80
Ala Ser Ala Cys Gly Met Pro Arg Ile Cys Arg Ser Ala Leu Val Tyr
85 90 95
Lys Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Val Ser Ala Ile Arg
100 105 110
Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Gln Arg Thr Ala Asn
115 120 125
Leu Gly Ala Gly Ala Ala Gln Pro Leu Arg Asp Arg Ala Gln Ala Phe
130 135 140

Gly	Asp	Arg	Ile	Arg	Gly	Arg	Leu	Glu	Glu	Val	Gly	Asn	Gln	Ala	Arg
145					150					155					160
Asp	Arg	Leu	Glu	Glu	Val	Arg	Glu	His	Met	Glu	Glu	Val	Arg	Ser	Lys
			165					170						175	
Met	Glu	Glu	Leu	Ser	Ser	Pro	Ser	Ile	Arg	Ala	Arg	Gly	Pro	Phe	Pro
			180					185					190		
Ala	Ser	Arg	Ser	Met	Gln	Val	Ser	Arg	Val	Leu	Ala	Ala	Leu	Cys	Gly
		195					200					205			
Met	Leu	Leu	Cys	Ala	Gly	Ser									
	210					215									

<210> 195
 <211> 412
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (14)...(14)
 <223> n = A, C, G or T

<400> 195
 gaattcgcgg ccgnggcgac cttttttttt tttttttttt tttttttttt tttttttttt 60
 tttccaagat aaaactttat tggagacagc aaggagtata ctgaaagtgg gggagccatg 120
 ccttcattcc ataactgcaa tcagatgctc tcctctgaga gagagtgtgt ggggagccaa 180
 ggtgagaagc aggtatgatt cacaccccaa ctgcttggag agtgcttata tgacagtctt 240
 tttctcgatt ttattttttt tcagttcttc aacacacact ttggcttcat ttgggggaaa 300
 attaaacaaa agaacagaat ttccctcccc cagagttact tatgaaatga cacagctgcc 360
 cttttctttg aagggtattt tgtcttctgg gattcccttt accagaggat cc 412

<210> 196
 <211> 670
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (43)...(107)
 <223> n = A, C, G or T

<400> 196
 acaagcccta gccttgtgtc atggcttcaa tttggacatt gancatccca tgacnttcca 60
 agagaatgca aaagnctttg nacagagtgt ggtccagctt ggcggancca gtgtggttgt 120
 tgcagccccc cagaaggcaa aggctgttaa ccagacaggt gccctctacc agtgtgacta 180
 cagcacaagc cggtgtgacc ccatccccct gcaagtacct ccagaggctg tgaatatgtc 240
 cttgggcctg tccctggctg tttctactgt ccccagcag ctgctggcct gtggccccac 300
 ggtgcaccaa aactgcaagg agaatactta tgtgaatgga ttgtgctatt tgttcggctc 360
 caacctgctg aggccgcccc agcagttccc agaggctctc agagaatgtc ctcagcagga 420
 gagtgcacatt gtcttcttga ttgatggctc cggtagcatc aacaacattg acttttcagaa 480

gatgaaggag tttgtctcaa ctgtgatgga gcagttcaaa aagtctaaaa ccttggttctc 540
 tttgatgcag tactcggacg agttccggat tcacttcacc ttcaatgact tcaagagaaa 600
 ccctagccca agatcacacg tgagcccat aaagcagctg aatgggagga caaaaactgc 660
 ctcggtatcc 670

<210> 197
 <211> 223
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (14)...(36)
 <223> Xaa = any amino acid

<400> 197
 Gln Ala Leu Ala Leu Cys His Gly Phe Asn Leu Asp Ile Xaa His Pro
 1 5 10 15
 Met Thr Phe Gln Glu Asn Ala Lys Xaa Phe Xaa Gln Ser Val Val Gln
 20 25 30
 Leu Gly Gly Xaa Ser Val Val Val Ala Ala Pro Gln Lys Ala Lys Ala
 35 40 45
 Val Asn Gln Thr Gly Ala Leu Tyr Gln Cys Asp Tyr Ser Thr Ser Arg
 50 55 60
 Cys Asp Pro Ile Pro Leu Gln Val Pro Pro Glu Ala Val Asn Met Ser
 65 70 75 80
 Leu Gly Leu Ser Leu Ala Val Ser Thr Val Pro Gln Gln Leu Leu Ala
 85 90 95
 Cys Gly Pro Thr Val His Gln Asn Cys Lys Glu Asn Thr Tyr Val Asn
 100 105 110
 Gly Leu Cys Tyr Leu Phe Gly Ser Asn Leu Leu Arg Pro Pro Gln Gln
 115 120 125
 Phe Pro Glu Ala Leu Arg Glu Cys Pro Gln Gln Glu Ser Asp Ile Val
 130 135 140
 Phe Leu Ile Asp Gly Ser Gly Ser Ile Asn Asn Ile Asp Phe Gln Lys
 145 150 155 160
 Met Lys Glu Phe Val Ser Thr Val Met Glu Gln Phe Lys Lys Ser Lys
 165 170 175
 Thr Leu Phe Ser Leu Met Gln Tyr Ser Asp Glu Phe Arg Ile His Phe
 180 185 190
 Thr Phe Asn Asp Phe Lys Arg Asn Pro Ser Pro Arg Ser His Val Ser
 195 200 205
 Pro Ile Lys Gln Leu Asn Gly Arg Thr Lys Thr Ala Ser Gly Ser
 210 215 220

<210> 198
 <211> 640
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (21)...(21)
 <223> n = A, C, G or T

<400> 198
 ctgttgatgg cttttacatg nacgcctatg aagtcagcaa tgcggatttt gagaagtttg 60
 tgaactcgac tggctatattg acagagctga gaagtttgaa gactctttcg tctttgaagg 120
 catgttgagc gagcaagtga aaacgcatat ccaccaggca gttgcagctg ctccatgggtg 180
 gttgcctgtc aagggagcta attggagaca cccagagggg ccggactcca gtattctgca 240
 caggtcaaat catccggttc tccatgtttc ctggaacgat gctgttgcct actgcacatg 300
 ggcgggcaag aggttgcccta ctgaggcaga gtggaatac agctgtagag gaggcctgca 360
 gaacaggctt ttcccctggg gcaacaaact gcagcccaaa ggacagcatt atgccaacat 420
 ctggcagggc aagtttcctg tgagcaacac tggcgaggat ggcttccaag gaactgcccc 480
 cgttgatgcc tttcctccca atggctatgg cttatacaac atagtgggga atgtgtggga 540
 gtggacctca gactggtgga ctgttcacca ttctgttgag gaaacgttca acccaaaggg 600
 tcccacttct gggaaagacc gagtgaagaa ggggtgatcc 640

<210> 199
 <211> 210
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (6)...(6)
 <223> Xaa = any amino acid

<400> 199
 Cys Trp Leu Leu His Xaa Arg Leu Ser Gln Gln Cys Gly Phe Glu Val
 1 5 10 15
 Cys Glu Leu Asp Trp Leu Phe Asp Arg Ala Glu Lys Phe Glu Asp Ser
 20 25 30
 Phe Val Phe Glu Gly Met Leu Ser Glu Gln Val Lys Thr His Ile His
 35 40 45
 Gln Ala Val Ala Ala Ala Pro Trp Trp Leu Pro Val Lys Gly Ala Asn
 50 55 60
 Trp Arg His Pro Glu Gly Pro Asp Ser Ser Ile Leu His Arg Ser Asn
 65 70 75 80
 His Pro Val Leu His Val Ser Trp Asn Asp Ala Val Ala Tyr Cys Thr
 85 90 95
 Trp Ala Gly Lys Arg Leu Pro Thr Glu Ala Glu Trp Glu Tyr Ser Cys
 100 105 110
 Arg Gly Gly Leu Gln Asn Arg Leu Phe Pro Trp Gly Asn Lys Leu Gln
 115 120 125
 Pro Lys Gly Gln His Tyr Ala Asn Ile Trp Gln Gly Lys Phe Pro Val
 130 135 140
 Ser Asn Thr Gly Glu Asp Gly Phe Gln Gly Thr Ala Pro Val Asp Ala
 145 150 155 160

Phe	Pro	Pro	Asn	Gly	Tyr	Gly	Leu	Tyr	Asn	Ile	Val	Gly	Asn	Val	Trp
				165					170					175	
Glu	Trp	Thr	Ser	Asp	Trp	Trp	Thr	Val	His	His	Ser	Val	Glu	Glu	Thr
			180					185					190		
Phe	Asn	Pro	Lys	Gly	Pro	Thr	Ser	Gly	Lys	Asp	Arg	Val	Lys	Lys	Gly
		195					200					205			
Gly	Ser														
	210														

<210> 200
 <211> 263
 <212> DNA
 <213> Mus musculus

<400> 200
 gaattcgcgg ccgcgtcgac ggccagcctg gtctacagag tggattcctg tcctgtcagg 60
 gctgcacgat gagtccctat ctcaaagaag aagaaaaaaa aaaaagaaag aaagaaagac 120
 ttctttttga aatattagac aaccaatatg acaaaatagc aatgccaaac atcctgctgt 180
 accgtacgat ctatttttgt tttttttttt ggttggtgtt cttgaccaa ataatgatt 240
 accggaggca atcacatgga tcc 263

<210> 201
 <211> 87
 <212> PRT
 <213> Mus musculus

Ile	Arg	Gly	Arg	Val	Asp	Gly	Gln	Pro	Gly	Leu	Gln	Ser	Gly	Phe	Leu
1				5					10					15	
Ser	Cys	Gln	Gly	Cys	Thr	Met	Ser	Pro	Tyr	Leu	Lys	Glu	Glu	Glu	Lys
			20					25					30		
Lys	Lys	Arg	Lys	Lys	Glu	Arg	Leu	Leu	Phe	Glu	Ile	Leu	Asp	Asn	Gln
		35					40					45			
Tyr	Asp	Lys	Ile	Arg	Met	Pro	Asn	Ile	Leu	Leu	Tyr	Arg	Thr	Ile	Tyr
	50					55					60				
Phe	Cys	Phe	Phe	Phe	Trp	Leu	Leu	Phe	Leu	Thr	Lys	Ile	Asn	Asp	Tyr
65					70					75					80
Arg	Arg	Gln	Ser	His	Gly	Ser									
				85											

<210> 202
 <211> 544
 <212> DNA
 <213> Mus musculus

<400> 202
 gaattcgcgg ccgcgtcgac ctgtacgatt gtcagtggat ctgacgacac caaaagggct 60
 caggatgcta ctgttgcaag ctctcctgtt cctcttaate ctgcccagtc atgccgaaga 120

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tgacgttact acaactgaag agctagctcc tgctttgggc cctccaccca agggaacttg 180
tgcaggttgg atggcaggca tcccaggaca tcctggccac aatggcacac caggccgtga 240
tggcagagat ggcactcctg gagagaaggg agagaaagga gatgcaggtc ttcttgggtcc 300
taagggtgag acaggagatg ttggaatgac aggagctgaa gggccacggg gcttccccgg 360
aaccctggc aggaaaggag agcctggaga agccgcttat gtgtatcgct cagcgttcag 420
tgtggggctg gagacccgcg tcaactgttcc caatgtaccc attcgcttta ctaagatctt 480
ctacaaccaa cagaatcatt atgacggcag cactggcaag ttctactgca acattccagg 540
atcc 544

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<210> 203

<211> 181

<212> PRT

<213> Mus musculus

<400> 203

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Asn Ser Arg Pro Arg Arg Pro Val Arg Leu Ser Val Asp Leu Thr Thr
1          5          10          15
Pro Lys Gly Leu Arg Met Leu Leu Leu Gln Ala Leu Leu Phe Leu Leu
20          25          30
Ile Leu Pro Ser His Ala Glu Asp Asp Val Thr Thr Thr Glu Glu Leu
35          40          45
Ala Pro Ala Leu Val Pro Pro Pro Lys Gly Thr Cys Ala Gly Trp Met
50          55          60
Ala Gly Ile Pro Gly His Pro Gly His Asn Gly Thr Pro Gly Arg Asp
65          70          75          80
Gly Arg Asp Gly Thr Pro Gly Glu Lys Gly Glu Lys Gly Asp Ala Gly
85          90          95
Leu Leu Gly Pro Lys Gly Glu Thr Gly Asp Val Gly Met Thr Gly Ala
100          105          110
Glu Gly Pro Arg Gly Phe Pro Gly Thr Pro Gly Arg Lys Gly Glu Pro
115          120          125
Gly Glu Ala Ala Tyr Val Tyr Arg Ser Ala Phe Ser Val Gly Leu Glu
130          135          140
Thr Arg Val Thr Val Pro Asn Val Pro Ile Arg Phe Thr Lys Ile Phe
145          150          155          160
Tyr Asn Gln Gln Asn His Tyr Asp Gly Ser Thr Gly Lys Phe Tyr Cys
165          170          175
Asn Ile Pro Gly Ser
180

```

<210> 204

<211> 244

<212> DNA

<213> Mus musculus

<400> 204

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gaattcgcgg ccgcgtcgac cattatTTTT ggttggttgt cttggggttag cattaaagcc 60
ttcacctatt tatggaggtt taggtttaat tgtagtgagg tttggttggt gtttaatggt 120
tttagggttt ggtggatcgt ttttaggttt aatagttttt ttaatttatt taggggggat 180

```

gttgggttggtg tttggatata cgactgctat agctactgag gaatatccag agacttgtgg 240
atcc 244

<210> 205
<211> 81
<212> PRT
<213> Mus musculus

<400> 205
Asn Ser Arg Pro Arg Arg Pro Leu Phe Leu Val Gly Cys Leu Gly Leu
1 5 10 15
Ala Leu Lys Pro Ser Pro Ile Tyr Gly Gly Leu Gly Leu Ile Val Ser
20 25 30
Gly Phe Val Gly Cys Leu Met Val Leu Gly Phe Gly Gly Ser Phe Leu
35 40 45
Gly Leu Ile Val Phe Leu Ile Tyr Leu Gly Gly Met Leu Val Val Phe
50 55 60
Gly Tyr Thr Thr Ala Ile Ala Thr Glu Glu Tyr Pro Glu Thr Cys Gly
65 70 75 80
Ser

<210> 206
<211> 244
<212> DNA
<213> Mus musculus

<400> 206
gaattcgcg cgcgctcgac cattatTTTT ggttggttggt cttggggttag cattaaagcc 60
ttcacctatt tatggaggtt taggtttaaT tgtagtggtt tttggttggt gtttaatggt 120
tttaggggtt ggtggatcgt ttttaggttT aatagttttt ttaatttatt taggggggat 180
gttggttggt tttggatata cgactgctat agctactgag gaatatccag agacttgtgg 240
atcc 244

<210> 207
<211> 81
<212> PRT
<213> Mus musculus

<400> 207
Asn Ser Arg Pro Arg Arg Pro Leu Phe Leu Val Gly Cys Leu Gly Leu
1 5 10 15
Ala Leu Lys Pro Ser Pro Ile Tyr Gly Gly Leu Gly Leu Ile Val Ser
20 25 30
Gly Phe Val Gly Cys Leu Met Val Leu Gly Phe Gly Gly Ser Phe Leu
35 40 45
Gly Leu Ile Val Phe Leu Ile Tyr Leu Gly Gly Met Leu Val Val Phe
50 55 60
Gly Tyr Thr Thr Ala Ile Ala Thr Glu Glu Tyr Pro Glu Thr Cys Gly

65
Ser

70

75

80

<210> 208
<211> 235
<212> DNA
<213> Mus musculus

<400> 208
gaattcgcgg ccgcgtcgac ctagtgtgct ctttgagatt tttaagagca tttgagatac 60
aagaattttg aggggatgag gaatgttggt caaggtctaa atcacacata aaaaattttc 120
ttctgtgaat ttatcttctt tgcataatata tccctgctgg ccccttggtt tgattttggt 180
attggtcatt ccagctctca gtggaagacc ggaccctgtc attcatgaag gatcc 235

<210> 209
<211> 675
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (81)...(267)
<223> n = A, C, G or T

<400> 209
gaattcgcgg ccgcgtcgac ccacgttttt tgaccacaaa ccgcaagttt tagatcctcg 60
cgagtaggaa atgaaggggt nccacacaga aggcagcgcc cactgggctc cactgatgca 120
ggttgcccac cagaccacat cactctggcc ctgggctcag ggcatgatgt gagtgtgaga 180
gctttggccc ggttgccatt aagactcact ccaggtcaca ctgagggcaa gggttgctag 240
tccctggccg ctgggactct ctcactntga gttctcccat caccatcact aagaatgttt 300
ttctggtaac cgaagttgaa ttgagacatc caaggtcatc tatgcatttg gacaagattc 360
agacatctag gcggcttgct cggtcttacc ggggagaatc taaaaaagaa gcacattcat 420
cctccattat tttgatgtca tatctaagac aaaatgtcaa taaatgaagt atcaacattc 480
tatatcataa aagaagatac aattgcaatg ggaggtgcac aaataatgct tggcctaatt 540
cacaatgcac tggggactct ctggctctct ttgcacaatc tagaagacaa gagatatagc 600
atcggccata aacttatgtt agctagtatc tgctacctgt ttgtgtctgg aacatttttc 660
atcaactcag gatcc 675

<210> 210
<211> 218
<212> PRT
<213> Mus musculus

<400> 210
Glu Phe Ala Ala Ala Ser Thr His Val Phe Pro Thr Thr Ala Ser Phe
1 5 10 15
Arg Ser Ser Arg Val Gly Asn Glu Gly Val Pro His Arg Arg Gln Arg
20 25 30

Pro	Leu	Gly	Ser	Thr	Asp	Ala	Gly	Cys	Pro	Pro	Asp	His	Ile	Thr	Leu
		35					40					45			
Ala	Leu	Gly	Ser	Gly	His	Asp	Val	Ser	Val	Arg	Ala	Leu	Ala	Arg	Leu
	50					55					60				
Pro	Leu	Arg	Leu	Thr	Pro	Gly	His	Thr	Glu	Gly	Lys	Gly	Cys	Ser	Leu
65					70					75					80
Ala	Ala	Gly	Thr	Leu	Ser	Ser	Val	Leu	Pro	Ser	Pro	Ser	Leu	Arg	Met
				85					90					95	
Phe	Phe	Trp	Pro	Lys	Leu	Asn	Asp	Ile	Gln	Gly	His	Leu	Cys	Ile	Trp
			100					105					110		
Thr	Arg	Phe	Arg	His	Leu	Gly	Gly	Leu	Ser	Gly	Phe	Thr	Gly	Glu	Asn
		115					120					125			
Leu	Lys	Lys	Lys	His	Ile	His	Pro	Pro	Leu	Phe	Cys	His	Ile	Asp	Lys
	130					135					140				
Met	Ser	Ile	Asn	Glu	Val	Ser	Thr	Phe	Tyr	Ile	Ile	Lys	Glu	Asp	Thr
145					150					155					160
Ile	Ala	Met	Gly	Gly	Ala	Gln	Ile	Met	Leu	Gly	Leu	Ile	His	Asn	Ala
			165						170					175	
Leu	Gly	Thr	Leu	Trp	Leu	Ser	Leu	His	Asn	Leu	Glu	Asp	Lys	Arg	Tyr
			180					185					190		
Ser	Ile	Gly	His	Lys	Leu	Met	Leu	Ala	Ser	Ile	Cys	Tyr	Leu	Phe	Val
		195					200					205			
Ser	Gly	Thr	Phe	Phe	Ile	Asn	Ser	Gly	Ser						
	210					215									

<210> 211
 <211> 630
 <212> DNA
 <213> Mus musculus

<400> 211
 gaattcgcgagg cccgcggtcga cgtcactgtg gagctcagat cacagtgctg acagaatcca 60
 tatttgaggaga attacataag gtttgaaaga gaggatagtg aaaggatacg aattcctaaa 120
 aacgtttaat ctggcctttt gtttgaacga aagagaaatt gaaaccaaatt gaaataaatt 180
 acttgttaga aagaatactg ccaacagcat agcaaaatga aattcttctt gctgctttcc 240
 ctcatgggat tctgctgggc ccaatatgac ccacatactc aatatggacg aactgctatt 300
 gtccacctgt ttgagtggcg ctgggttgat attgctaagg aatgtgagag atacttagct 360
 cctaattgat ttgcagggtg gcaggtctct ccacccaatg aaaacatcgt agtccacagc 420
 ccttcaagac catgggtggga aagatatcaa ccaattagct acaaaatatg ttccaggtct 480
 ggaaatgaag atgaattcag ggacatgggtg aacaggtgca acaatgttgg tgtccgtatt 540
 tatgtggatg ctgtcattaa ccacatgtgt ggagtggggg ctcaagctgg acaaagcagt 600
 acatgtggaa gttattttcaa ccccgatcc 630

<210> 212
 <211> 205
 <212> PRT
 <213> Mus musculus

<400> 212

Glu	Phe	Ala	Ala	Arg	Val	Asp	Val	Thr	Val	Glu	Leu	Arg	Ser	Gln	Cys
1				5					10					15	
Gln	Asn	Pro	Tyr	Leu	Glu	Asn	Tyr	Ile	Arg	Phe	Glu	Arg	Glu	Asp	Ser
		20						25					30		
Glu	Arg	Ile	Arg	Ile	Pro	Lys	Asn	Val	Ser	Gly	Leu	Leu	Phe	Glu	Arg
	35					40					45				
Lys	Arg	Asn	Asn	Gln	Met	Lys	Ile	Thr	Cys	Lys	Glu	Tyr	Cys	Gln	Gln
	50					55					60				
His	Ser	Lys	Met	Lys	Phe	Phe	Leu	Leu	Leu	Ser	Leu	Ile	Gly	Phe	Cys
65				70						75					80
Trp	Ala	Gln	Tyr	Asp	Pro	His	Thr	Gln	Tyr	Gly	Arg	Thr	Ala	Ile	Val
			85					90						95	
His	Leu	Phe	Glu	Trp	Arg	Trp	Val	Asp	Ile	Ala	Lys	Glu	Cys	Glu	Arg
			100					105					110		
Tyr	Leu	Ala	Pro	Asn	Gly	Phe	Ala	Gly	Val	Gln	Val	Ser	Pro	Pro	Asn
		115					120					125			
Glu	Asn	Ile	Val	Val	His	Ser	Pro	Ser	Arg	Pro	Trp	Trp	Glu	Arg	Tyr
	130					135					140				
Gln	Pro	Ile	Ser	Tyr	Lys	Ile	Cys	Ser	Arg	Ser	Gly	Asn	Glu	Asp	Glu
145					150					155					160
Phe	Arg	Asp	Met	Val	Asn	Arg	Cys	Asn	Asn	Val	Gly	Val	Arg	Ile	Tyr
			165					170						175	
Val	Asp	Ala	Val	Ile	Asn	His	Met	Cys	Gly	Val	Gly	Ala	Gln	Ala	Gly
			180					185					190		
Gln	Ser	Ser	Thr	Cys	Gly	Ser	Tyr	Phe	Asn	Pro	Gly	Ser			
	195						200					205			

<210> 213
 <211> 370
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (337)...(337)
 <223> n = A, C, G or T

<400> 213
 gaattcgcgg ccgcgtcgac gtaaaaggcc taggagattt gttgatccaa taaatatgat 60
 tagggaaaca attattaggg ttcatgttcg tccttttggt gtgtggatta gcattatttg 120
 tttgataata agtttaacta gctggttgga ggttttgcgg tcggccgaga agacggcact 180
 gctgcaggat gggaagagga tgggtgacta tttgttccca gacgggaagg aaatggcaga 240
 agaatatgac gagaagacca gtgaactcct tgtgaggaag tggcgtgtga aaaatgccct 300
 gggagccttg ggccagtggc agcttgaagt gggagancca gtgccctcag gagctgggag 360
 cctgggatcc 370

<210> 214
 <211> 123
 <212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (112)...(112)

<223> Xaa = any amno acid

<400> 214

Asn	Ser	Arg	Pro	Arg	Arg	Arg	Lys	Arg	Pro	Arg	Arg	Phe	Val	Asp	Pro	
1				5					10					15		
Ile	Asn	Met	Ile	Arg	Glu	Thr	Ile	Ile	Arg	Val	His	Val	Arg	Pro	Phe	
			20					25					30			
Gly	Val	Trp	Ile	Ser	Ile	Ile	Cys	Leu	Ile	Ile	Ser	Leu	Thr	Ser	Trp	
		35					40					45				
Leu	Glu	Val	Leu	Arg	Ser	Ala	Glu	Lys	Thr	Ala	Leu	Leu	Gln	Asp	Gly	
	50					55					60					
Lys	Arg	Met	Val	His	Tyr	Leu	Phe	Pro	Asp	Gly	Lys	Glu	Met	Ala	Glu	
65					70					75					80	
Glu	Tyr	Asp	Glu	Lys	Thr	Ser	Glu	Leu	Leu	Val	Arg	Lys	Trp	Arg	Val	
				85					90					95		
Lys	Asn	Ala	Leu	Gly	Ala	Leu	Gly	Gln	Trp	Gln	Leu	Glu	Val	Gly	Xaa	
			100					105						110		
Pro	Val	Pro	Ser	Gly	Ala	Gly	Ser	Leu	Gly	Ser						
		115					120									

<210> 215

<211> 508

<212> DNA

<213> Mus musculus

<400> 215

gaattcgcgg	ccgcgtcgac	gagatcgaga	aattcgataa	gtcgaagttg	aagaaaacag	60
aaacgcaaga	gaaaaatcct	ctgccttcaa	aagaaacaat	tgaacaagag	aagcaagctg	120
gcgaatcgta	atgaggcgag	cgccgccaat	atgcactgta	cattccacga	gcattgcctt	180
cttatttttac	ttcttttagc	tgtttaactt	tgttaagatgc	aaagaggttg	gatcaagttt	240
aaatgactgt	gctgcccctt	tcacatcaaa	gaatcagaac	tactgagcag	gaaggcctcc	300
cctgcctctc	ccacccatct	gatgggtctg	ctagcagaga	gggaaaagaa	cttgcattgt	360
ggtgaaggaa	aaagctgggt	gggagatgat	gaaatagaga	ggaaaattca	agatgggtcaa	420
agatgtcctg	caggatgtaa	aatgcagttt	aatcagagtg	ccattttttt	ttgttcaaac	480
aattttaatt	attggaatgc	acggatcc				508

<210> 216

<211> 162

<212> PRT

<213> Mus musculus

<400> 216

Asn	Ser	Arg	Pro	Arg	Arg	Arg	Asp	Arg	Glu	Ile	Arg	Val	Glu	Val	Glu	
1				5					10				15			

Glu	Asn	Arg	Asn	Ala	Arg	Glu	Lys	Ser	Ser	Ala	Phe	Lys	Arg	Asn	Asn	
			20					25					30			
Thr	Arg	Glu	Ala	Ser	Trp	Arg	Ile	Val	Met	Arg	Arg	Ala	Pro	Pro	Ile	
		35					40					45				
Cys	Thr	Val	His	Ser	Thr	Ser	Ile	Ala	Phe	Leu	Phe	Tyr	Phe	Phe	Leu	
	50					55					60					
Phe	Asn	Phe	Val	Arg	Cys	Lys	Glu	Val	Gly	Ser	Ser	Leu	Asn	Asp	Cys	
65					70					75					80	
Ala	Ala	Pro	Phe	Thr	Ser	Lys	Asn	Gln	Asn	Tyr	Ala	Gly	Arg	Pro	Pro	
				85					90					95		
Leu	Pro	Leu	Pro	Pro	Ile	Trp	Ser	Gly	Gln	Arg	Gly	Lys	Arg	Thr	Cys	
			100					105					110			
Met	Leu	Val	Lys	Glu	Lys	Ala	Gly	Trp	Glu	Met	Met	Lys	Arg	Gly	Lys	
		115					120					125				
Phe	Lys	Met	Val	Lys	Asp	Val	Leu	Gln	Asp	Val	Lys	Cys	Ser	Leu	Ile	
	130					135					140					
Arg	Val	Pro	Phe	Phe	Phe	Val	Gln	Thr	Ile	Leu	Ile	Ile	Gly	Met	His	
145						150				155					160	
Gly	Ser															

<210> 217

<211> 920

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (2)...(302)

<223> n = A, C, G or T

<400> 217

tntngaattc	cccagttaan	agaatttggc	ccaataggnc	cccgggaccg	gtntnggngg	60
antcgatgtt	gccaaaccag	gntcncaang	ttttgtaacc	cngaagatga	ggaggactac	120
tnnttttcgg	aagccttaag	gcatnaacgt	cagacagnaa	naaagtgtcc	aagtgggact	180
gccgntcttc	taccaatccc	agccgaagaa	tgctcctgtg	accttcattg	tgnatgganc	240
agtagtgaaa	tttgcccaag	gcttgggaaa	nccaatatat	atactcagaa	ccaagagcct	300
cntaagaagg	tatgatgacc	aaaaggacta	aagacatggg	caagttcagc	tctgttactg	360
tgtctaccca	ttgatgaaga	agaagaggag	atagaggcta	gggaagttgc	tgactcttac	420
gcgcagaatg	ccaaagtgat	tgaaaagcag	ctggagcgca	aaggcatgag	caagaggagg	480
ctgcaggagt	tggctgaatt	ggaagccaag	aaagcaaaaa	tgaaggggac	cctgatcgac	540
aatcagttca	aataatcaag	atctttcttg	gttcagactg	gaggcagcag	ttagatgagg	600
aagagtagct	tcaagatgtg	ttttcgtttc	tgtttctccc	agaagggttt	tctgaccatc	660
ctattggttt	tctgacactt	tttcttttct	tccattgaag	tccttgactc	catttcactt	720
gctttctagg	aggtagattg	tttgtaaaat	ctctgtatat	atgttttctg	tctttcttgt	780
ctttgagatc	aggctctgtt	acataccaga	gtatggcctt	gaactttgtg	agcctcctct	840
cctgtcttag	tctctctctc	tctctctctc	tctctctctc	tctctctctg	ctgaagttcc	900
aggaccacac	caccgatcc					920

<210> 218
 <211> 291
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (1)...(85)
 <223> Xaa = any amino acid

<400> 218
 Xaa Asn Ser Pro Val Xaa Arg Ile Trp Pro Asn Arg Xaa Pro Gly Pro
 1 5 10 15
 Val Xaa Xaa Xaa Ser Met Leu Pro Asn Gln Xaa Xaa Xaa Val Leu Pro
 20 25 30
 Xaa Arg Gly Gly Leu Leu Xaa Phe Gly Ser Leu Lys Ala Xaa Thr Ser
 35 40 45
 Asp Xaa Xaa Lys Val Ser Lys Trp Asp Cys Arg Ser Thr Asn Pro
 50 55 60
 Ser Arg Arg Met Leu Leu Pro Ser Leu Xaa Met Xaa Gln Asn Leu Pro
 65 70 75 80
 Lys Ala Trp Glu Xaa Gln Tyr Ile Tyr Ser Glu Pro Arg Ala Ser Glu
 85 90 95
 Gly Met Met Thr Lys Arg Thr Lys Asp Met Gly Lys Phe Ser Ser Val
 100 105 110
 Thr Val Ser Thr His Arg Arg Arg Gly Asp Arg Gly Gly Ser Cys Leu
 115 120 125
 Leu Arg Ala Glu Cys Gln Ser Asp Lys Ala Ala Gly Ala Gln Arg His
 130 135 140
 Glu Gln Glu Glu Ala Ala Gly Val Gly Ile Gly Ser Gln Glu Ser Lys
 145 150 155 160
 Asn Glu Gly Asp Pro Asp Arg Gln Ser Val Gln Ile Ile Lys Ile Phe
 165 170 175
 Leu Gly Ser Asp Trp Arg Gln Gln Leu Asp Glu Glu Glu Leu Gln Asp
 180 185 190
 Val Phe Ser Phe Leu Phe Leu Pro Glu Gly Phe Ser Asp His Pro Ile
 195 200 205
 Gly Phe Leu Thr Leu Phe Leu Phe His Ser Pro Leu His Phe Thr
 210 215 220
 Cys Phe Leu Gly Gly Arg Leu Phe Val Lys Ser Leu Tyr Ile Cys Phe
 225 230 235 240
 Leu Ser Phe Leu Ser Leu Arg Ser Gly Leu Val Thr Tyr Gln Ser Met
 245 250 255
 Ala Leu Asn Phe Val Ser Leu Leu Ser Cys Leu Ser Leu Ser Leu Ser
 260 265 270
 Leu Ser Leu Ser Leu Ser Leu Ser Leu Lys Phe Gln Asp His Thr
 275 280 285
 Thr Gly Ser
 290

<210> 219
 <211> 400
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (38)...(41)
 <223> n = A, C, G or T

<400> 219
 gaattcgcgg ccgcgtcgac tttttttttt tttttttntn ntttgatttt tccaagataa 60
 aactttattg gagacagcaa ggagtatact gaaagtgggg gagccatgcc ttcattccat 120
 aactgcaatc agatgctctc ctctgagaga gagtgtgtgg ggagccaagg tgagaagcag 180
 gtatgattca caccccaact gcttgagagag tgcttatatg acagtctttt tctcgatttt 240
 attttttctc agttcttcaa cacacacttt ggcttcattt gggggaaaat taaacaaaag 300
 aacagaattt ccctcccca gagttactta tgaaatgaca cagctgccct tttctttgaa 360
 gggattcttg tcttctggga ttccctttac cagaggatcc 400

<210> 220
 <211> 132
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (13)...(14)
 <223> Xaa = any amino acid

<400> 220
 Asn Ser Arg Pro Arg Arg Leu Phe Phe Phe Phe Phe Xaa Xaa Phe Phe
 1 5 10 15
 Gln Asp Lys Thr Leu Leu Glu Thr Ala Arg Ser Ile Leu Lys Val Gly
 20 25 30
 Glu Pro Cys Leu His Ser Ile Thr Ala Ile Arg Cys Ser Pro Leu Arg
 35 40 45
 Glu Ser Val Trp Gly Ala Lys Val Arg Ser Arg Tyr Asp Ser His Pro
 50 55 60
 Asn Cys Leu Glu Ser Ala Tyr Met Thr Val Phe Phe Ser Ile Leu Phe
 65 70 75 80
 Phe Leu Ser Ser Ser Thr His Thr Leu Ala Ser Phe Gly Gly Lys Leu
 85 90 95
 Asn Lys Arg Thr Glu Phe Pro Ser Pro Arg Val Thr Tyr Glu Met Thr
 100 105 110
 Gln Leu Pro Phe Ser Leu Lys Gly Phe Leu Ser Ser Gly Ile Pro Phe
 115 120 125
 Thr Arg Gly Ser
 130

<210> 221
 <211> 244
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (210)...(210)
 <223> n = A, C, G or T

<400> 221
 gaattcgcgg ccgcgtcgac ggagtcttct gactgctggt ggagcaggtc tcaggaatct 60
 cttcgcttca gcttcaatca tggcctgtgg tctggtcgcc agcaacctga atctcaaacc 120
 tggggaatgt ctcaaagttc ggggagaggt ggcctcggac gccaaagagct ttgtgctgaa 180
 cctgggaaaa gacagcaaca acctgtgccn acacttcaat cctcgcttca atgcacatgg 240
 atcc 244

<210> 222
 <211> 81
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (70)...(70)
 <223> Xaa = any amino acid

<400> 222
 Asn Ser Arg Pro Arg Arg Arg Ser Leu Leu Thr Ala Gly Gly Ala Gly
 1 5 10 15
 Leu Arg Asn Leu Phe Ala Ser Ala Ser Ile Met Ala Cys Gly Leu Val
 20 25 30
 Ala Ser Asn Leu Asn Leu Lys Pro Gly Glu Cys Leu Lys Val Arg Gly
 35 40 45
 Glu Val Ala Ser Asp Ala Lys Ser Phe Val Leu Asn Leu Gly Lys Asp
 50 55 60
 Ser Asn Asn Leu Cys Xaa His Phe Asn Pro Arg Phe Asn Ala His Gly
 65 70 75 80
 Ser

<210> 223
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 223
 gaattcgcgg ccgcgtcgac gttcattatt tttgggttggt tgtcttgggt tagcattaaa 60

gccttcacct atttatggag gtttaggttt aattgtagt gggtttggtt gttgtttaat 120
 ggttttaggg ttggtggat cc 142

<210> 224
 <211> 55
 <212> PRT
 <213> Mus musculus

<400> 224
 Ile Glu Lys Gly Arg Val Ser Leu Asn Ser Arg Pro Arg Arg Arg Ser
 1 5 10 15
 Leu Phe Leu Val Gly Cys Leu Gly Leu Ala Leu Lys Pro Ser Pro Ile
 20 25 30
 Tyr Gly Gly Leu Gly Leu Ile Val Ser Gly Phe Val Gly Cys Leu Met
 35 40 45
 Val Leu Gly Phe Gly Gly Ser
 50 55

<210> 225
 <211> 394
 <212> DNA
 <213> Mus musculus

<400> 225
 gaattcgcg cgcgctcgac tttttttttt ttttttttga tttttccaag ataaaacttt 60
 attggagaca gcaaggagta tactgaaagt gggggagcca tgccttcatt ccataactgc 120
 aatcagatgc tctcctctga gagagagtgt gtggggagcc aagggtgagaa gcaggtatga 180
 ttcacacccc aactgcttgg agagtgctta tatgacagtc tttttctcga ttttattttt 240
 tctcagttct tcaacacaca ctttggcttc atttggggga aaattaaaca aaagaacaga 300
 atttccctcc cccagagtta cttatgaaat gacacagctg cccttttctt tgaagggatt 360
 cttgtcttct gggattccct ttaccagagg atcc 394

<210> 226
 <211> 130
 <212> PRT
 <213> Mus musculus

<400> 226
 Asn Ser Arg Pro Arg Arg Leu Phe Phe Phe Phe Phe Phe Phe Gln Asp
 1 5 10 15
 Lys Thr Leu Leu Glu Thr Ala Arg Ser Ile Leu Lys Val Gly Glu Pro
 20 25 30
 Cys Leu His Ser Ile Thr Ala Ile Arg Cys Ser Pro Leu Arg Glu Ser
 35 40 45
 Val Trp Gly Ala Lys Val Arg Ser Arg Tyr Asp Ser His Pro Asn Cys
 50 55 60
 Leu Glu Ser Ala Tyr Met Thr Val Phe Phe Ser Ile Leu Phe Phe Leu
 65 70 75 80
 Ser Ser Ser Thr His Thr Leu Ala Ser Phe Gly Gly Lys Leu Asn Lys

				85						90					95			
Arg	Thr	Glu	Phe	Pro	Ser	Pro	Arg	Val	Thr	Tyr	Glu	Met	Thr	Gln	Leu			
			100					105					110					
Pro	Phe	Ser	Leu	Lys	Gly	Phe	Leu	Ser	Ser	Gly	Ile	Pro	Phe	Thr	Arg			
		115					120					125						
Gly	Ser																	
	130																	

<210> 227
 <211> 480
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (21)...(36)
 <223> n = A, C, G or T

<400> 227
 gaattcgcgg cgcggtcgac nttttttttt ttttntttt tttttttttt tttttttttt 60
 ttttaagaaca actgaacata tgttgtgtgt accgggcata aaggatgaat gggcccttta 120
 gttaaccacac tgcttgata acatgacact tagtcactt ccatctctcc ggagtcggtg 180
 tgctgtgagc ttcctttggg tggatctggg ctgggtctctg aaccactctg tccgtccatt 240
 ggtccattgt gtcactacc agtttttgc tttgtctcag gagcttctac ttttggtttg 300
 ggcttataaa cgatggggtt acagaaatta tccagttcct ttgactttgt aactatttct 360
 gacactttta ccacgggatc ttgagtgaga cttaatttat tctgtgcatt catcttactg 420
 ttttagccagt tcatggagtc actgatgtac ttttcaactc tttccatttc agcaggatcc 480

<210> 228
 <211> 154
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (12)...(12)
 <223> Xaa = any amino acid

<400> 228
 Glu Phe Ala Ala Ala Ser Thr Phe Phe Phe Phe Xaa Phe Phe Phe Phe
 1 5 10 15
 Phe Phe Phe Phe Phe Lys Asn Asn Thr Tyr Val Val Cys Thr Gly His
 20 25 30
 Lys Gly Met Gly Pro Leu Val Asn Pro Leu Leu Gly His Asp Thr Ser
 35 40 45
 Thr Ser Ile Ser Pro Glu Ser Val Cys Cys Glu Leu Pro Leu Gly Gly
 50 55 60
 Ser Gly Leu Val Ser Glu Pro Leu Cys Pro Ser Ile Gly Pro Leu Cys

65					70					75					80
Ser	Leu	Pro	Val	Phe	Ala	Leu	Ser	Ser	Gly	Ala	Ser	Thr	Phe	Gly	Leu
				85					90					95	
Gly	Leu	Thr	Met	Gly	Leu	Gln	Lys	Leu	Ser	Ser	Ser	Phe	Asp	Phe	Val
			100					105					110		
Thr	Ile	Ser	Asp	Thr	Phe	Thr	Thr	Gly	Ser	Val	Arg	Leu	Asn	Leu	Phe
		115					120					125			
Cys	Ala	Phe	Ile	Leu	Leu	Phe	Ser	Gln	Phe	Met	Glu	Ser	Leu	Met	Tyr
	130					135					140				
Phe	Ser	Thr	Leu	Ser	Ile	Ser	Ala	Gly	Ser						
145					150										

<210> 229
 <211> 420
 <212> DNA
 <213> Mus musculus

<400> 229
 gaattcgcg cgcgctcgac tttttttttt tttttttttt tttttttttt tttttttttt 60
 ttttgatttt tccaagataa aactttattg gagacagcaa ggagtatact gaaagtgggg 120
 gagccatgcc ttcattccat aactgcaatc agatgctctc ctctgagaga gagtgtgtgg 180
 ggagccaagg tgagaagcag gtatgattca caccccaact gcttggagag tgcttatatg 240
 acagtctttt tctcgatttt attttttctc agttcttcaa cacacacttt ggcttcattt 300
 gggggaaaat taaacaaaag aacagaattt ccctcccca gagttactta tgaaatgaca 360
 cagctgccct tttctttgaa gggattcttg tcttctggga ttccctttac cagaggatcc 420

<210> 230
 <211> 139
 <212> PRT
 <213> Mus musculus

<400> 230
 Glu Phe Ala Ala Ala Ser Thr Phe Phe Phe Phe Phe Phe Phe Phe Phe
 1 5 10 15
 Phe Phe Phe Phe Phe Phe Phe Gln Asp Lys Thr Leu Leu Glu Thr Ala
 20 25 30
 Arg Ser Ile Leu Lys Val Gly Glu Pro Cys Leu His Ser Ile Thr Ala
 35 40 45
 Ile Arg Cys Ser Pro Leu Arg Glu Ser Val Trp Gly Ala Lys Val Arg
 50 55 60
 Ser Arg Tyr Asp Ser His Pro Asn Cys Leu Glu Ser Ala Tyr Met Thr
 65 70 75 80
 Val Phe Phe Ser Ile Leu Phe Phe Leu Ser Ser Ser Thr His Thr Leu
 85 90 95
 Ala Ser Phe Gly Gly Lys Leu Asn Lys Arg Thr Glu Phe Pro Ser Pro
 100 105 110
 Arg Val Thr Tyr Glu Met Thr Gln Leu Pro Phe Ser Leu Lys Gly Phe
 115 120 125

Leu Ser Ser Gly Ile Pro Phe Thr Arg Gly Ser
 130 135

<210> 231
 <211> 629
 <212> DNA
 <213> Mus musculus

<400> 231
 gaattcgcgg ccgcgtcgac gtcactgtgg agctcagatc acagtgctga cagaatccat 60
 atttggagaa ttacataagg tttgaaagag aggatagtga aaggatacga attcctaaaa 120
 acgtttaatc tggccttttg tttgaacgaa agagaaattg aaaccaaattg aaataaatta 180
 cttgttagaa agaataactgc caacagcata gcaaaatgaa attcttcctg ctgctttccc 240
 tcattggatt ctgctgggcc caatatgacc cacatactca atatggacga actgctattg 300
 tccacctgtt tgagtggcgc tgggttgata ttgctaagga atgtgagaga tacttagctc 360
 ctaatggatt tgcaggtgtg caggtctctc cacccaatga aaacatcgta gtccacagcc 420
 cttcaagacc atggtgggaa agatatcaac caattagcta caaaatatgt tccaggtctg 480
 gaaatgaaga tgaattcagg gacatggtga acaggtgcaa caatgttggt gtccgtattt 540
 atgtggatgc tgtcattaac cacatgtgtg gagtgggggc tcaagctgga caaagcagta 600
 catgtggaag ttatttcaac cccggatcc 629

<210> 232
 <211> 204
 <212> PRT
 <213> Mus musculus

<400> 232
 Ile Arg Gly Arg Val Asp Val Thr Val Glu Leu Arg Ser Gln Cys Gln
 1 5 10 15
 Asn Pro Tyr Leu Glu Asn Tyr Ile Arg Phe Glu Arg Glu Asp Ser Glu
 20 25 30
 Arg Ile Arg Ile Pro Lys Asn Val Ser Gly Leu Leu Phe Glu Arg Lys
 35 40 45
 Arg Asn Asn Gln Met Lys Ile Thr Cys Lys Glu Tyr Cys Gln Gln His
 50 55 60
 Ser Lys Met Lys Phe Phe Leu Leu Leu Ser Leu Ile Gly Phe Cys Trp
 65 70 75 80
 Ala Gln Tyr Asp Pro His Thr Gln Tyr Gly Arg Thr Ala Ile Val His
 85 90 95
 Leu Phe Glu Trp Arg Trp Val Asp Ile Ala Lys Glu Cys Glu Arg Tyr
 100 105 110
 Leu Ala Pro Asn Gly Phe Ala Gly Val Gln Val Ser Pro Pro Asn Glu
 115 120 125
 Asn Ile Val Val His Ser Pro Ser Arg Pro Trp Trp Glu Arg Tyr Gln
 130 135 140
 Pro Ile Ser Tyr Lys Ile Cys Ser Arg Ser Gly Asn Glu Asp Glu Phe
 145 150 155 160
 Arg Asp Met Val Asn Arg Cys Asn Asn Val Gly Val Arg Ile Tyr Val
 165 170 175

Asp	Ala	Val	Ile	Asn	His	Met	Cys	Gly	Val	Gly	Ala	Gln	Ala	Gly	Gln
			180					185					190		
Ser	Ser	Thr	Cys	Gly	Ser	Tyr	Phe	Asn	Pro	Gly	Ser				
		195					200								

<210> 233
 <211> 254
 <212> DNA
 <213> Mus musculus

<400> 233
 gaattcgcgg cgcgctcgac ggatttttct tgagaaaatc ttgggtgaga ttattctgga 60
 ttctatttaa atgtgtgtat ataatgatta ggattttatt ttacagtca tatctacttc 120
 cttccttatg tgcgaaatct attgcaacat attatgcacc atactcaaat ccctgggtgtt 180
 ccagccaagg ttcttgggtt tcaccacagt acagtaatgt gactccaata ccagaaggaa 240
 agaatgtggg atcc 254

<210> 234
 <211> 84
 <212> PRT
 <213> Mus musculus

<400> 234
 Ile Arg Gly Arg Val Asp Gly Phe Phe Leu Arg Lys Ser Trp Val Arg
 1 5 10 15
 Leu Phe Trp Ile Leu Phe Lys Cys Val Tyr Ile Met Ile Arg Ile Leu
 20 25 30
 Phe Leu Gln Ser Tyr Leu Leu Pro Ser Leu Cys Ala Lys Ser Ile Ala
 35 40 45
 Thr Tyr Tyr Ala Pro Tyr Ser Asn Pro Trp Cys Ser Ser Gln Gly Ser
 50 55 60
 Trp Val Ser Pro Gln Tyr Ser Asn Val Thr Pro Ile Pro Glu Gly Lys
 65 70 75 80
 Asn Val Gly Ser

<210> 235
 <211> 660
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (10)...(165)
 <223> n = A, C, G or T

<400> 235
 gtcaccaan actgcggcat tatgaggaca ttatgacgaa ataagggttaa aaaagaagtg 60

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aagaacagtt ggggtccagtg gcgaaganac acggccaggn tggcaaaana gtgcagcggc 120
acaggccgat tggaaaccgac atgaggatct acgcaaccga ctcggncagt accgcaacga 180
ggtgcacacc atgctgggcc agagcacaga gaagatacgg gcgcggctct ccacacacct 240
gcgcaagatg cgcaagcgct tgatgcggga tgccgaggat ctgcagaagc gcctagctgt 300
gtacaagcag gggcacgcga gggcgccgag cgcggtgtga gtgccatccg tgagcgcctg 360
gggcctcttg tggagcaagg tcgccagcgc accgccaacc taggcgctgg ggccgcccag 420
cctctgcgcg atcgcgcccga ggcttttggg gaccgcatcc gagggcggtg ggaggaagtg 480
ggcaaccagg cccgtgaccg cctagaggag gtgcgtgagc acatggagga ggtgcgctcc 540
aagatggagg aactctcgag tcccagcatc agagcgcgtg gaccttttcc cgcgtcccgc 600
agcatgcagg tctcccgtgt gctggccgcg ctgtgcggca tgctactctg cgccggatcc 660

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<210> 236

<211> 218

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (4)...(54)

<223> Xaa = any amino acid

<400> 236

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Val Thr Gln Xaa Cys Gly Ile Met Arg Thr Leu Arg Asn Lys Val Lys
 1          5          10          15
Lys Glu Val Lys Asn Ser Trp Val Gln Trp Arg Arg Xaa Thr Ala Arg
 20          25          30
Xaa Ala Lys Xaa Cys Ser Gly Thr Gly Arg Leu Glu Pro Thr Gly Ser
 35          40          45
Thr Gln Pro Thr Arg Xaa Val Pro Gln Arg Gly Ala His His Ala Gly
 50          55          60
Pro Glu His Arg Glu Asp Thr Gly Ala Ala Leu His Thr Pro Ala Gln
 65          70          75          80
Asp Ala Gln Ala Leu Asp Ala Gly Cys Arg Gly Ser Ala Glu Ala Pro
 85          90          95
Ser Cys Val Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Val Ser
100          105          110
Ala Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Gln Arg
115          120          125
Thr Ala Asn Leu Gly Ala Gly Ala Ala Gln Pro Leu Arg Asp Arg Ala
130          135          140
Gln Ala Phe Gly Asp Arg Ile Arg Gly Arg Leu Glu Glu Val Gly Asn
145          150          155          160
Gln Ala Arg Asp Arg Leu Glu Glu Val Arg Glu His Met Glu Glu Val
165          170          175
Arg Ser Lys Met Glu Glu Leu Ser Ser Pro Ser Ile Arg Ala Arg Gly
180          185          190
Pro Phe Pro Ala Ser Arg Ser Met Gln Val Ser Arg Val Leu Ala Ala
195          200          205
Leu Cys Gly Met Leu Leu Cys Ala Gly Ser

```

210

215

<210> 237
 <211> 519
 <212> DNA
 <213> Mus musculus

<400> 237
 cctgcaggag atatatccag agctgcagat cacaaatgtg atgaagcaaa ccagccagtc 60
 aatattgata gttggtgccg aagggacaaa aggcagtgc agagtcacat tggtatacca 120
 ttcaagtgtc ttgtgggtga atttgtaagt gatgtcctgc tagttccaga taactgccag 180
 tttttccacc aagagcggat ggaggtgtgt gagaagcacc agcgctggca cacgttagtc 240
 aaggaggcat gtctgactga ggggctgacc ttatatagct atggcatgct gctgccctgc 300
 ggggtagacc agttccatgg caccgagtat gtgtgctgcc ctcagacaaa gactgttgac 360
 tcggactcga ctatgtccaa agaagaggag gaagaggaag aggatgaaga ggacgaagag 420
 gaagactatg atcttgataa aagtgaattt cctactgaag cagatttgga agacttcaca 480
 gaagcagcag cagatgagga agaagaggat gagggatcc 519

<210> 238
 <211> 173
 <212> PRT
 <213> Mus musculus

<400> 238
 Pro Ala Gly Asp Ile Ser Arg Ala Ala Asp His Lys Cys Asp Glu Ala
 1 5 10 15
 Asn Gln Pro Val Asn Ile Asp Ser Trp Cys Arg Arg Asp Lys Arg Gln
 20 25 30
 Cys Lys Ser His Ile Val Ile Pro Phe Lys Cys Leu Val Gly Glu Phe
 35 40 45
 Val Ser Asp Val Leu Leu Val Pro Asp Asn Cys Gln Phe Phe His Gln
 50 55 60
 Glu Arg Met Glu Val Cys Glu Lys His Gln Arg Trp His Thr Leu Val
 65 70 75 80
 Lys Glu Ala Cys Leu Thr Glu Gly Leu Thr Leu Tyr Ser Tyr Gly Met
 85 90 95
 Leu Leu Pro Cys Gly Val Asp Gln Phe His Gly Thr Glu Tyr Val Cys
 100 105 110
 Cys Pro Gln Thr Lys Thr Val Asp Ser Asp Ser Thr Met Ser Lys Glu
 115 120 125
 Glu Glu Glu Glu Glu Glu Asp Glu Glu Asp Glu Glu Glu Asp Tyr Asp
 130 135 140
 Leu Asp Lys Ser Glu Phe Pro Thr Glu Ala Asp Leu Glu Asp Phe Thr
 145 150 155 160
 Glu Ala Ala Ala Asp Glu Glu Glu Glu Asp Glu Gly Ser
 165 170

<210> 239

<211> 678
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (9)...(160)
<223> n = A, C, G or T

<400> 239
gtggcccant ccggcccntg cccagtgngt ggctccngct ggcacgccag cggccttgga 60
agaagctcaa gcccatgagg ccggcgcgcc ntgccgcggt tgcaaaagag acggagctcc 120
cggccccgc ggggtggagcg ggggatcaat gcgggttcagn aatcgattcc agcgtttcat 180
gaaccatcgg gccccagtaa tggccgctac aaaccaacgt gctacgaaca tgctgccaat 240
tgctacacac acgcattcct cattgttccg gccattgtgg gcagtgccct cctccatcgg 300
ctgtctgatg actgctggga gaagataaca gcatggatct acgggatggg cctttgtgcc 360
ctcttcacat tctccacagt gtttcacata gtatcatgga agaagagcca cttgagaaca 420
gtggagcatt gtttccacat gtgcgatcgg atggatcatct acttcttcat tgctgcttcc 480
tacgccccat ggtaaactct ccgtgaactt ggacccctgg catctcatat gcgttggttt 540
atctggctca tggcagctgg aggaaccatt tatgtatttc tctacatga aaagtataaa 600
gtggttgaac ttttcttcta tctcacgatg ggattttctc cagccttggt ggtgacatca 660
atgaataaca ctgcatcc 678

<210> 240
<211> 225
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (3)...(53)
<223> Xaa = any amino acid

<400> 240
Val Ala Xaa Ser Gly Pro Cys Pro Val Xaa Gly Ser Xaa Trp His Ala
1 5 10 15
Ser Gly Leu Gly Arg Ser Ser Ser Pro Gly Arg Arg Ala Xaa Pro Pro
20 25 30
Val Gln Lys Arg Arg Ser Ser Arg Pro Pro Arg Val Glu Arg Gly Ile
35 40 45
Asn Ala Val Gln Xaa Ser Ile Pro Ala Phe His Glu Pro Ser Gly Pro
50 55 60
Ser Asn Gly Arg Tyr Lys Pro Thr Cys Tyr Glu His Ala Ala Asn Cys
65 70 75 80
Tyr Thr His Ala Phe Leu Ile Val Pro Ala Ile Val Gly Ser Ala Leu
85 90 95
Leu His Arg Leu Ser Asp Asp Cys Trp Glu Lys Ile Thr Ala Trp Ile
100 105 110
Tyr Gly Met Gly Leu Cys Ala Leu Phe Ile Val Ser Thr Val Phe His
115 120 125

Ile	Val	Ser	Trp	Lys	Lys	Ser	His	Leu	Arg	Thr	Val	Glu	His	Cys	Phe
130						135					140				
His	Met	Cys	Asp	Arg	Met	Val	Ile	Tyr	Phe	Phe	Ile	Ala	Ala	Ser	Tyr
145					150					155					160
Ala	Pro	Trp	Leu	Asn	Leu	Arg	Glu	Leu	Gly	Pro	Leu	Ala	Ser	His	Met
				165					170					175	
Arg	Trp	Phe	Ile	Trp	Leu	Met	Ala	Ala	Gly	Gly	Thr	Ile	Tyr	Val	Phe
			180					185					190		
Leu	Tyr	His	Glu	Lys	Tyr	Lys	Val	Val	Glu	Leu	Phe	Phe	Tyr	Leu	Thr
		195					200					205			
Met	Gly	Phe	Ser	Pro	Ala	Leu	Val	Val	Thr	Ser	Met	Asn	Asn	Thr	Gly
210						215					220				
Ser															
225															

<210> 241
 <211> 655
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (16)...(85)
 <223> n = A, C, G or T

<400> 241

gtttagatc	tgaaan	caag	aaagaaggcg	gggcttgagg	tcctgaggtc	acttaagggc	60
cacntnttt	gacntaagac	ctcantaggc	cccgcctcta	aaggtttctg	acctcaatag		120
gccttcctgg	agaactagtt	tctaactctc	aggcccttgg	gacattgcat	ctcagtagta		180
ggtgcctctc	tacctgtgtt	tggcttggtc	atgattggca	gacactctgc	ctggctctgc		240
acagcagcgg	ctcagcatca	gcattccagct	gcttgctgtg	tgtagttgt	ctcacagctg		300
agggctctgc	ctcggctact	tcaggctttc	cggtaggaa	gataatttgg	tcacttgtgt		360
ctgtggccac	tcttagaatt	ttctcttttg	agggaacctg	tgactgggtg	gcttttgc		420
tctatggagg	gagatgggg	taaagactgt	ggcaacacac	accctccaga	agagctggga		480
ccagagactg	tcagcacaga	aaggacaatg	tcttttttag	tagctgtggc	agacttgagt		540
tgctgtaatt	tatacaaatt	gtttagaatg	gtttttaaga	ctaagaagg	aatatactt		600
attgcacaag	acttttataa	ttactatact	taaattatgc	tctatgtggg	gatcc		655

<210> 242
 <211> 201
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (3)...(25)
 <223> Xaa = any amino acid

<400> 242

Leu	Ile	Xaa	Gln	Glu	Arg	Arg	Arg	Gly	Leu	Arg	Ser	Gly	His	Leu	Arg
1				5					10					15	
Ala	Thr	Xaa	Phe	Asp	Xaa	Arg	Pro	Xaa	Ala	Pro	Pro	Leu	Lys	Val	Ser
			20					25					30		
Asp	Leu	Asn	Arg	Pro	Ser	Trp	Arg	Thr	Ser	Phe	Leu	Ser	Gly	Pro	Trp
		35					40					45			
Asp	Ile	Ala	Ser	Gln	Val	Pro	Leu	Tyr	Leu	Cys	Leu	Ala	Cys	Ser	Leu
	50					55				60					
Ala	Asp	Thr	Leu	Pro	Gly	Ser	Ala	Gln	Gln	Arg	Leu	Ser	Ile	Ser	Ile
65					70					75					80
Gln	Leu	Leu	Ala	Val	Cys	Leu	Ser	His	Ser	Gly	Leu	Cys	Leu	Gly	Tyr
				85					90					95	
Phe	Arg	Leu	Ser	Gly	Glu	Asp	Asn	Leu	Val	Thr	Cys	Val	Cys	Gly	His
			100					105					110		
Ser	Asn	Phe	Leu	Phe	Gly	Asn	Leu	Leu	Val	Gly	Phe	Cys	Ile	Leu	Trp
		115					120					125			
Arg	Glu	Met	Gly	Leu	Lys	Thr	Val	Ala	Thr	His	Thr	Leu	Gln	Lys	Ser
	130					135					140				
Trp	Asp	Gln	Arg	Leu	Ser	Ala	Gln	Lys	Gly	Gln	Cys	Leu	Phe	Leu	Trp
145					150					155					160
Gln	Thr	Val	Ala	Val	Ile	Tyr	Thr	Asn	Cys	Leu	Glu	Trp	Phe	Leu	Arg
				165					170					175	
Leu	Arg	Arg	Glu	Ile	Tyr	Leu	Leu	His	Lys	Thr	Phe	Ile	Ile	Thr	Ile
			180					185					190		
Leu	Lys	Leu	Cys	Ser	Met	Trp	Gly	Ser							
		195					200								

<210> 243

<211> 677

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (1)...(1)

<223> n = A, C, G or T

<400> 243

ncgctgtagt	ttcattttctc	acttttgaggg	cacagatgaa	aatgtatatc	gcaacacagt	60
ggatatcagc	ccaagcacga	agaccatgct	gaacatgcac	ccgtacagag	tgtacttaaa	120
ggagtcgtca	taagggcact	gggagccatt	ggagcttacc	attgtcaggc	agtgcagctt	180
acaggaggcc	ttttgtccgc	agcgcttgat	cgatcgcctt	tgctattcag	atgtgggtcac	240
agcagcagcc	agtttatttg	caaagtattt	gtttcttttc	ctgttcttac	aaatactttc	300
ttctcttaac	tcttcaaagg	aaacatgaaa	tgtgttccgt	aaaagtttct	agtagattat	360
tcaggaaaat	agtctgattt	tctggtcgag	aaaatccatg	agtctggagt	ttagttaact	420
gacagaaaat	gcagtcaagg	aagccaaccc	ataaagctga	aagtgttaag	aaaaactgtt	480
ccaagtcgga	ccagaccagt	ccgcgtggaa	acttgtgctt	cagccgccag	ggcctcaaacc	540
agctttactt	cagtcacaaa	cactcgcctg	gcgtccgtcc	gcccgctcgc	ctcgggtact	600
tcttccttct	ttttatttctc	aaactttgta	tttctacatt	gattccggac	ggcgataggc	660

agtcgttttaa gggatcc

677

<210> 244

<211> 219

<212> PRT

<213> Mus musculus

<400> 244

Ala	Val	Val	Ser	Phe	Leu	Thr	Leu	Arg	Ala	Gln	Met	Lys	Met	Tyr	Ile
1				5					10					15	
Ala	Thr	Gln	Trp	Ile	Ser	Ala	Gln	Ala	Arg	Arg	Pro	Cys	Thr	Cys	Thr
		20					25						30		
Arg	Thr	Glu	Cys	Thr	Arg	Ser	Arg	His	Lys	Gly	Thr	Gly	Ser	His	Trp
		35					40					45			
Ser	Leu	Pro	Leu	Ser	Gly	Ser	Ala	Ala	Tyr	Arg	Arg	Pro	Phe	Val	Arg
	50					55					60				
Ser	Ala	Ser	Ile	Ala	Phe	Ala	Ile	Gln	Met	Trp	Ser	Gln	Gln	Gln	Pro
65				70					75						80
Val	Tyr	Leu	Gln	Ser	Ile	Cys	Phe	Phe	Ser	Cys	Ser	Tyr	Lys	Tyr	Phe
			85					90					95		
Leu	Leu	Leu	Thr	Leu	Gln	Arg	Lys	His	Glu	Met	Cys	Ser	Val	Lys	Val
			100					105					110		
Ser	Ser	Arg	Leu	Phe	Arg	Lys	Ile	Val	Phe	Ser	Gly	Arg	Glu	Asn	Pro
		115				120						125			
Val	Trp	Ser	Leu	Val	Asn	Gln	Lys	Met	Gln	Ser	Arg	Lys	Pro	Thr	His
	130				135						140				
Lys	Ala	Glu	Ser	Val	Arg	Lys	Asn	Cys	Ser	Lys	Ser	Asp	Gln	Thr	Ser
145					150					155					160
Pro	Arg	Gly	Asn	Leu	Cys	Phe	Ser	Arg	Gln	Gly	Pro	Asn	Gln	Leu	Tyr
			165						170					175	
Phe	Ser	His	Lys	His	Ser	Pro	Cys	Val	Arg	Pro	Pro	Val	Val	Leu	Gly
		180					185						190		
Tyr	Phe	Phe	Leu	Leu	Phe	Ile	Leu	Lys	Leu	Cys	Ile	Ser	Thr	Leu	Ile
	195					200						205			
Pro	Asp	Gly	Asp	Arg	Gln	Ser	Phe	Lys	Gly	Ser					
	210					215									

<210> 245

<211> 660

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (7)...(45)

<223> n = A, C, G or T

<400> 245

agagatncaa tctaaaaagc agatantgag cagagactan ggagnagtta acatactaaa 60


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ccgctacata cataggacaa atgccatttg gaggctgaag tcaaggaaac atcagtatac 120
atgtaagttt ggcattgtat ttggttgcca ttaaattggaa agggcttttg tactgagttg 180
agatcttata tcctagataa tagagtgtat tgggtttgaa taggaagtgt catggacaga 240
gctctgagcc tgtaggagca aggagtatca caaaggctct ttgccacagc ccaggcaagc 300
aatctagagc ttaagcctag ggtggcagat gtgtggaaga acacagacac agttgtgcag 360
agcctgggaa acggcttggg cttccaggga agaggtttat gttatcgttg tttgggttgg 420
gttgtttatt tctgggggct gggggagggg aggtatgtat gttttgttgt ttagtatctc 480
atgtagccag gatggccttg aactcactat gtagctcaga ctgacgtgga attccagggt 540
ctctctttac tccccacact ggtagctgtg caccataaaa cctggccttat actttgtaaa 600
atcccaatat tctcttgctt gctttcagca cccttatcac atgtgtggat tctgggatcc 660

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<210> 246

<211> 211

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (3)...(14)

<223> Xaa = any amino acid

<400> 246

```

Arg Asp Xaa Ile Lys Ala Asp Xaa Glu Gln Arg Leu Xaa Xaa Ser His
 1          5          10          15
Thr Lys Pro Leu His Thr Asp Lys Cys His Leu Glu Ala Glu Val Lys
          20          25          30
Glu Thr Ser Val Tyr Met Val Trp His Cys Ile Trp Leu Arg Leu Asn
          35          40          45
Gly Lys Gly Phe Cys Thr Glu Leu Arg Ser Tyr Leu Leu Asp Asn Arg
          50          55          60
Val Tyr Trp Val Ile Gly Ser Val Met Asp Arg Ala Leu Ser Leu Glu
          65          70          75          80
Gln Gly Val Ser Gln Arg Leu Phe Ala Thr Ala Gln Ala Ser Asn Leu
          85          90          95
Glu Leu Lys Pro Arg Val Ala Asp Val Trp Lys Asn Thr Asp Thr Val
          100          105          110
Val Gln Ser Leu Gly Asn Gly Leu Gly Phe Gln Gly Arg Gly Leu Cys
          115          120          125
Tyr Arg Cys Leu Gly Trp Val Val Tyr Phe Trp Gly Leu Gly Glu Gly
          130          135          140
Arg Tyr Val Cys Phe Val Val Tyr Leu Met Pro Gly Trp Pro Thr His
          145          150          155          160
Tyr Val Ala Gln Thr Asp Val Glu Phe Gln Val Leu Ser Leu Leu Pro
          165          170          175
Thr Leu Val Ala Val His His Lys Thr Trp Leu Ile Leu Cys Lys Ile
          180          185          190
Pro Ile Phe Ser Cys Leu Leu Ser Ala Pro Leu Ser His Val Trp Ile
          195          200          205
Leu Gly Ser

```

<210> 247
 <211> 673
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (4)...(173)
 <223> n = A, C, G or T

<400> 247
 gttnnnnncc nttnnnnnna anttnttnnn aatnaaaaag nanantaann nnanntnnnn 60
 ncngnttnnn ccccnnttcc nnnnnnctan gnnncnggct tnannntggn gttantngnn 120
 ntggtaatac nnggggccaa gcntgcntgt gtaaagcaag nccctnantg agnttctcct 180
 catcagcggg gttcagacct ggctgggttg taggtacact agccacgatc agcacaagtc 240
 acaagtgcc a ctcacttaca cccatcccc cagcctaataa ctttctccta aggtgccaaag 300
 ggatcagtca gtctgaagga tgaaaaccag agcgtgggtg acagctctcc ccttcaaact 360
 gaagccaccc tgggggacgg gggatatcgtt atcccacggt taaccataaa tagggtcctg 420
 atgaaaagg ggaaggaaaa aaagactact ctaacagcaa atttttcttt tttaggttta 480
 aaactcttgc taaaattcct agtgaatcag tgctttggaa taaaagtatc ataagccaat 540
 gccacaggta tcatacgcta atgtcaggga ggtgctatgg gtgtcctttt gttgctgttt 600
 tgttctgttt tctttcctat gtcaatgtgg cttcacaagt gtgggatttc aagaggtgaa 660
 gatacatgga tcc 673

<210> 248
 <211> 210
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (1)...(56)
 <223> Xaa = any amino acid

<400> 248
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys Lys Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Ala Xaa Xaa Trp Xaa Xaa Xaa Xaa Trp Tyr Xaa Gly Pro Ser Xaa Xaa
 35 40 45
 Val Ser Lys Xaa Leu Xaa Glu Xaa Leu Leu Ile Ser Gly Val Gln Thr
 50 55 60
 Trp Leu Val Cys Arg Tyr Thr Ser His Asp Gln His Lys Ser Gln Val
 65 70 75 80
 Pro Leu Thr Tyr Thr His Pro Pro Ser Leu Lys Leu Ser Pro Lys Val
 85 90 95

Pro	Arg	Asp	Gln	Ser	Val	Arg	Met	Lys	Thr	Arg	Ala	Trp	Cys	Thr	Ala
			100					105					110		
Leu	Pro	Phe	Lys	Leu	Lys	Pro	Pro	Trp	Gly	Thr	Gly	Val	Ser	Leu	Ser
		115					120					125			
His	Val	Pro	Ile	Gly	Ser	Lys	Gly	Gly	Arg	Lys	Lys	Arg	Leu	Leu	Gln
	130					135					140				
Gln	Ile	Phe	Leu	Phe	Val	Asn	Ser	Cys	Asn	Ser	Ile	Ser	Ala	Leu	Glu
145					150					155					160
Lys	Tyr	His	Lys	Pro	Met	Pro	Gln	Val	Ser	Tyr	Ala	Asn	Val	Arg	Glu
			165						170					175	
Val	Leu	Trp	Val	Ser	Phe	Cys	Cys	Cys	Phe	Val	Leu	Phe	Ser	Phe	Leu
			180					185					190		
Cys	Gln	Cys	Gly	Phe	Thr	Ser	Val	Gly	Phe	Gln	Glu	Val	Lys	Ile	His
	195						200					205			
Gly	Ser														
	210														

<210> 249
 <211> 656
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (2)...(68)
 <223> n = A, C, G, or T

<400> 249
 anaattcgcg ncggcggtcga cgcctaacca aaaacacagg tcagtttttg agaccctcac 60
 acagatcntg gaatgagatc tgcagccagg tgtccagccc aggcttgggc ttctcattgt 120
 acccaaggct ggaagggttt ggtctgtact aacacacaag ctgcagctcc tgcttgactg 180
 ctggcttccc aaagaggaga cattggtctt gctgggaggc acagcaggag agtgaccac 240
 tgccactgca ctctaactga gtactaaggc cactagggct ttctagacct cgctttcccc 300
 ttgagcttcc tggggagggtg aagtgagggtg tgtgtgtgtg tgtgtgtctt tgtgtgctta 360
 gatttattgc agggaaagggt ctaatccaga atcagtattc aggctttgtc atgttgatc 420
 agtgccaagg tgaccctcaa ggtcatgtaa ctttaagcaa gcttagcatt tattttattc 480
 ctgaaaactt aagtatttta cttttttgtg tgttcgtgga gacatttgca gtattaatga 540
 ttttattttt cctaaatcgg gatggaaaca aacttttcca gggtatgtta ataagccact 600
 taagtgcctt aaacagcttt ggtgtagatg agaattgctg ggtccgtcat ggatcc 656

<210> 250
 <211> 214
 <212> PRT
 <213> Mus musculus

<400> 250
 Asn Ser Arg Arg Arg Arg Arg Leu Thr Lys Asn Thr Gly Gln Phe Trp
 1 5 10 15
 Arg Pro Ser His Arg Ser Trp Asn Glu Ile Cys Ser Gln Val Ser Ser

		20						25					30				
Pro	Gly	Leu	Gly	Phe	Ser	Leu	Tyr	Pro	Arg	Leu	Glu	Gly	Phe	Gly	Leu		
		35					40					45					
Tyr	His	Thr	Ser	Ser	Gln	Ser	Cys	Leu	Thr	Ala	Gly	Phe	Pro	Lys	Arg		
	50					55					60						
Arg	His	Trp	Ser	Cys	Trp	Glu	Ala	Gln	Gln	Glu	Ser	Asp	Pro	Leu	Pro		
65					70					75					80		
Leu	His	Ser	Asn	Val	Leu	Arg	Pro	Leu	Gly	Leu	Ser	Arg	Pro	Arg	Phe		
			85						90					95			
Pro	Leu	Glu	Leu	Pro	Gly	Glu	Val	Lys	Gly	Val	Cys	Val	Cys	Val	Cys		
		100						105					110				
Leu	Cys	Val	Leu	Arg	Phe	Ile	Ala	Gly	Lys	Gly	Leu	Ile	Gln	Asn	Gln		
	115					120						125					
Tyr	Ser	Gly	Phe	Val	Met	Leu	Tyr	Gln	Cys	Gln	Gly	Asp	Pro	Gln	Gly		
	130					135					140						
His	Val	Thr	Ala	Lys	Leu	Ser	Ile	Tyr	Phe	Ile	Pro	Glu	Asn	Leu	Ser		
145					150					155					160		
Ile	Leu	Leu	Phe	Cys	Val	Phe	Val	Glu	Thr	Phe	Ala	Val	Leu	Met	Ile		
			165					170						175			
Leu	Phe	Phe	Leu	Asn	Arg	Asp	Gly	Asn	Lys	Leu	Phe	Gln	Val	Met	Leu		
	180						185					190					
Ile	Ser	His	Leu	Ser	Ala	Leu	Asn	Ser	Phe	Gly	Val	Asp	Glu	Asn	Cys		
	195					200						205					
Trp	Val	Arg	His	Gly	Ser												
	210																

<210> 251
 <211> 372
 <212> DNA
 <213> Mus musculus

<400> 251
 gaattcgcgg ccgcgtcgac acagctttaa accccccatg ctcaactgtaa ggttggggcg 60
 ctctgtgaaa tccacacttg gcctcccaag agcttcctca cagcctggta agccttacac 120
 tcgggtgaga tgagatgata tttgtgttta ctggtgcttc gtttttcttt atgggtcgct 180
 tagaatttgt cccactctgt ttgtagtgtt ggctgtactg atgtggaaga gaaagttatg 240
 cagtctcaat cttcttatgc acagcatctc tgcctgactt tgtggtgcct ctgttttgtg 300
 cacatgcaca tgtgttcagt gttggcattg ggaatggcta tgtgcttcac caccgcttag 360
 gcctggggat cc 372

<210> 252
 <211> 211
 <212> PRT
 <213> Mus musculus

<400> 252
 Gly Gln Gly Ala His Ala Gly Arg Gly Gly Ser Ser Ser Pro Met Ala
 1 5 10 15
 Met Pro Ala Cys Arg Ile Ser Trp Lys Trp Pro Leu Phe Trp Ile His

			20					25					30				
Arg	Leu	Cys	Arg	Leu	Gly	Gly	Arg	Thr	Ala	Ile	Arg	Thr	Arg	Trp	Leu		
		35					40					45					
Pro	Val	Ile	Leu	Arg	Ala	Trp	Arg	Arg	Met	Gly	Pro	Leu	Pro	Arg	Ala		
	50					55					60						
Leu	Arg	Tyr	Arg	Arg	Ser	Arg	Phe	Ala	Ala	His	Arg	Leu	Leu	Ser	Pro		
65					70					75					80		
Ser	Arg	Val	Leu	Leu	Asn	Lys	Arg	Lys	Ser	Lys	Leu	Glu	Phe	Ala	Ala		
			85						90					95			
Ala	Ser	Thr	Gln	Leu	Thr	Pro	His	Ala	His	Cys	Lys	Val	Gly	Ala	Leu		
			100					105					110				
Cys	Glu	Ile	His	Thr	Trp	Pro	Pro	Lys	Ser	Phe	Leu	Thr	Ala	Trp	Ala		
		115				120						125					
Leu	His	Ser	Gly	Glu	Met	Arg	Tyr	Leu	Cys	Leu	Leu	Val	Leu	Arg	Phe		
	130					135					140						
Ser	Leu	Trp	Val	Ala	Asn	Leu	Ser	His	Ser	Val	Cys	Ser	Ala	Gly	Cys		
145					150					155					160		
Thr	Asp	Val	Glu	Glu	Lys	Val	Met	Gln	Ser	Gln	Ser	Ser	Tyr	Ala	Gln		
			165					170						175			
His	Leu	Cys	Leu	Thr	Leu	Trp	Cys	Leu	Cys	Phe	Val	His	Met	His	Met		
		180						185					190				
Cys	Ser	Val	Leu	Ala	Leu	Gly	Met	Ala	Met	Cys	Phe	Thr	Thr	Ala	Ala		
		195				200						205					
Trp	Gly	Ser															
	210																

<210> 253

<211> 689

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (62)...(85)

<223> n = A, C, G, or T

<400> 253

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aggtaagtag  tgttgactta  cattaagcgc  ctacatcgat  ttctttcatt  gaagaatata  60
cntctagtga  tttttacctg  gggcnttttt  tgagagtgag  ggtatagggtg  acaggtagga  120
ggagtggctg  tgataagggg  gactgctggt  cctcctgaag  ctattgatca  tgccccaaga  180
agctgatgac  caccatgtgt  cattgaatat  aaaccttggg  gtttagtgag  acttttgaag  240
ttaattccaa  tttacctaac  agactttgga  tttgaagaga  ctttaaactct  gtctcttatt  300
acttttgtgt  tttgatgtct  tttcagtaat  gtatcttttg  tgagttaccc  tagttacaaa  360
gtacctgagt  aacagagtac  cttcgagaca  gagtacccta  gtaacagagt  accctagtaa  420
cagagtaccc  tagagacagt  acctcagtga  cagagtaccc  tagtgacaga  tgaccctagt  480
gacaggttac  ctagttacag  gttaccctag  tgacattggt  atgttatctt  tgaagataaa  540
atagttctgt  gctacatgtc  tttaaataat  aggttaagaa  ttgttctaga  aattttacata  600
atgatttgca  tagattagct  cccatctttg  ttttattcct  ttgttggttg  tttgagagaa  660
gctttctgct  acatcgccag  agcggatcc

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<210> 254
 <211> 209
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (27)...(27)
 <223> Xaa = any amino acid

<400> 254
 Val Ser Ser Val Asp Leu His Ala Pro Thr Ser Ile Ser Phe Ile Glu
 1 5 10 15
 Glu Tyr Thr Ser Ser Asp Phe Tyr Leu Gly Xaa Phe Leu Arg Val Arg
 20 25 30
 Val Val Thr Gly Arg Arg Ser Gly Cys Asp Lys Gly Asp Cys Trp Ser
 35 40 45
 Ser Ser Tyr Ser Cys Pro Lys Lys Leu Met Thr Thr Met Cys His Ile
 50 55 60
 Thr Leu Gly Phe Ser Glu Thr Phe Glu Val Asn Ser Asn Leu Pro Asn
 65 70 75 80
 Arg Leu Trp Ile Arg Asp Phe Lys Ser Val Ser Tyr Tyr Phe Cys Val
 85 90 95
 Leu Met Ser Phe Gln Cys Ile Phe Cys Glu Leu Pro Leu Gln Ser Thr
 100 105 110
 Val Thr Glu Tyr Leu Arg Asp Arg Val Pro Gln Ser Thr Leu Val Thr
 115 120 125
 Glu Tyr Pro Arg Asp Ser Thr Ser Val Thr Glu Tyr Pro Ser Asp Arg
 130 135 140
 Pro Gln Val Thr Leu Gln Val Thr Leu Val Thr Leu Leu Cys Tyr Leu
 145 150 155 160
 Arg Asn Ser Ser Val Leu His Val Phe Lys Val Lys Asn Cys Ser Arg
 165 170 175
 Asn Leu His Asn Asp Leu His Arg Leu Ala Pro Ile Phe Val Leu Phe
 180 185 190
 Leu Cys Cys Leu Phe Glu Arg Ser Phe Leu Leu His Arg Gln Ser Gly
 195 200 205
 Ser

<210> 255
 <211> 668
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (41)...(151)

<223> n = A, C, G or T

<400> 255

```
gatcaaagaa ggggccttca agaacctgaa ggacttgcac ncnttgatcc nttgtcanca 60
acaagatcag caaatcagt ccagaggcat tcaaacctct ngtgaagttg gaaaggcttt 120
acctgtttta gaaccaacta aaggaactgc ntgaaaaaat gcccagaact ctccaggaac 180
ttcgtgtcca tgagaatgag atcaccaagc tgcggaaatc cgacttcaat ggactgaaca 240
atgtgcttgt catagaactg ggcggaacc cactgaaaaa ctctgggatt gaaaacggag 300
ccttccaggg actgaagagt ctctcataca ttcgcatctc agacaccaac ataactgcga 360
tccctcaagg tctgcctact tctctcactg aagtgcacat agatggcaac aagatcacca 420
aggttgatgc acccagcctg aaaggactga ttaatttgtc taaactggga ttgagcttca 480
acagcatcac cgttatggag aatggcagtc tggccaatgt tcctcatctg agggaactcc 540
acttgacaaa caacaaactc ctccaggtgc ctgctgggct ggcacagcat aagtatatcc 600
aggtcgtcta ccttcacaac aacaacatct ccgcagttgg gcaaaatgac ttctgccaag 660
ctggatcc
```

<210> 256

<211> 220

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (12)...(48)

<223> Xaa = any amino acid

<400> 256

```
Ser Lys Lys Gly Pro Ser Arg Thr Arg Thr Cys Xaa Xaa Ser Xaa Val
 1          5          10          15
Xaa Asn Lys Ile Ser Lys Ile Ser Pro Glu Ala Phe Lys Pro Leu Val
      20          25          30
Lys Leu Glu Arg Leu Tyr Leu Phe Lys Asn Gln Leu Lys Glu Leu Xaa
      35          40          45
Glu Lys Met Pro Arg Thr Leu Gln Glu Leu Arg Val His Glu Asn Glu
      50          55          60
Ile Thr Lys Leu Arg Lys Ser Asp Phe Asn Gly Leu Asn Asn Val Leu
      65          70          75          80
Val Ile Glu Leu Gly Gly Asn Pro Leu Lys Asn Ser Gly Ile Glu Asn
      85          90          95
Gly Ala Phe Gln Gly Leu Lys Ser Leu Ser Tyr Ile Arg Ile Ser Asp
      100          105          110
Thr Asn Ile Thr Ala Ile Pro Gln Gly Leu Pro Thr Ser Leu Thr Glu
      115          120          125
Val His Leu Asp Gly Asn Lys Ile Thr Lys Val Asp Ala Pro Ser Leu
      130          135          140
Lys Gly Leu Ile Asn Leu Ser Lys Leu Gly Leu Ser Phe Asn Ser Ile
      145          150          155          160
Thr Val Met Glu Asn Gly Ser Leu Ala Asn Val Pro His Leu Arg Glu
      165          170          175
Leu His Leu Asp Asn Asn Lys Leu Leu Arg Val Pro Ala Gly Leu Ala
```

			180						185					190			
Gln	His	Lys	Tyr	Ile	Gln	Val	Val	Tyr	Leu	His	Asn	Asn	Asn	Ile	Ser		
		195					200					205					
Ala	Val	Gly	Gln	Asn	Asp	Phe	Cys	Gln	Ala	Gly	Ser						
	210					215					220						

<210> 257
 <211> 692
 <212> DNA
 <213> Mus musculus

 <220>
 <221> unsure
 <222> (64)...(67)
 <223> n = A, C, G or T

<400> 257
 gactacatag gaaacgaagt ctcgaaatcc aacaataaac tcctcctcct cctcctcctc 60
 cttntntntat ctcttcatat tgtaaagatc ttgtgataaa agtggttttg cttcctggat 120
 tagttttatg tttaagggtta aacttggtgc ttttcccctg atttatttct gagcaagttc 180
 attagtatat gtggaaacgt tcctgatttg tgtatggtga aattgtatcc tgttacttta 240
 cccaaagtat ttattatata taggactttt ctagttgatt ttccaagtct tttgcttttg 300
 tgtataggat tacattgtct caaagtaggg ccaattttcc cttgcctttt ctatttttat 360
 cccttttctt tccctgcctt atccctctaa gacatcaagc atcatcctga gtaagaaggg 420
 aagaggacct cttctctcat tcctgctttt cttattgaat gtagcattga ctacagttct 480
 gtcagctata acttttattg tgtaaacgta cattcttttg atgcttgtgt cacctgggct 540
 tttatcagga aatgatgttg aaattaataa agaggctctt cctcagctgc tcagacagcc 600
 tctgttggag tctatctata tgcacctca cgtgtattga tttgtgtatg ttgaatcacc 660
 tgtgcatccc tggaatgaaa gtaactggat cc 692

<210> 258
 <211> 217
 <212> PRT
 <213> Mus musculus

 <220>
 <221> UNSURE
 <222> (20)...(21)
 <223> Xaa = Any amino acid

<400> 258
 Leu His Arg Lys Arg Ser Leu Glu Ile Gln Gln Thr Pro Pro Pro Pro
 1 5 10 15
 Pro Pro Pro Xaa Xaa Ile Ser Ser Tyr Cys Lys Asp Leu Val Ile Lys
 20 25 30
 Val Phe Leu Leu Pro Gly Leu Val Leu Cys Leu Arg Leu Asn Leu Leu
 35 40 45
 Leu Phe Pro Phe Ile Ser Glu Gln Val His Tyr Met Trp Lys Arg Ser
 50 55 60

Phe	Val	Tyr	Val	Glu	Ile	Val	Ser	Cys	Tyr	Phe	Thr	Gln	Ser	Ile	Tyr
65					70					75					80
Tyr	Ile	Asp	Phe	Ser	Ser	Phe	Ser	Lys	Ser	Phe	Ala	Phe	Val	Tyr	Arg
				85					90					95	
Ile	Thr	Leu	Ser	Gln	Ser	Arg	Ala	Asn	Phe	Pro	Leu	Pro	Phe	Leu	Phe
			100					105					110		
Leu	Ser	Leu	Phe	Phe	Pro	Cys	Leu	Ile	Pro	Leu	Arg	His	Gln	Ala	Ser
		115					120					125			
Ser	Val	Arg	Arg	Glu	Glu	Asp	Leu	Phe	Ser	His	Ser	Cys	Phe	Ser	Tyr
	130					135					140				
Met	His	Leu	Gln	Phe	Cys	Gln	Leu	Leu	Leu	Leu	Cys	Arg	Thr	Phe	Phe
145					150					155					160
Cys	Leu	Cys	His	Leu	Gly	Phe	Tyr	Gln	Glu	Met	Met	Leu	Lys	Leu	Ile
				165					170					175	
Lys	Arg	Ser	Phe	Leu	Ser	Cys	Ser	Asp	Ser	Leu	Cys	Trp	Ser	Leu	Ser
			180					185					190		
Ile	Cys	Ile	Leu	Thr	Cys	Ile	Asp	Leu	Cys	Met	Leu	Asn	His	Leu	Cys
	195						200					205			
Ile	Pro	Gly	Met	Lys	Val	Thr	Gly	Ser							
	210					215									

<210> 259
 <211> 705
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (648)...(648)
 <223> n = A, C, G or T

<400> 259
 cttcagcatc ttttactttc accagcggtt ctgggtggga tcccagggtg cggatctcaa 60
 gctggttggt agagttgggt ttcaaaccac ggttgtaaac gttaaccacc gctggcgcg 120
 cgcggcgaac cgccagatta tagctggcag gcgtctcatc ggtactgtca aattgcgag 180
 tggaaagcgg gttaaggctg cgcagcgaag gcatggcaac cagcagaata gcgccgacaa 240
 ttaatccaat cgcaacggaa cgtaagagct tcacaaacat gatggaggcg tcattaaana 300
 agggaacggc agcagcatat cacgagttaa ccggacatca cacgtaagcc tgatgcccg 360
 ttacgacat taacgcatca gcagatagat gctttcattg ccgcgtacaa tttgcagggc 420
 gatgatggcc ggttttgccg ccagcacttt acgcatttca gcaatcgagt tcacccgatc 480
 gcggttgacg ccaatgatca catcgtcttt ttgcaagcca gcctgagcag ctgggcttct 540
 ttgacaactt catcgatttt aatacctttg ccgccatctt ttactgacca tcgctcaacg 600
 ttgcaccttc cagcgctggc gtgatcattt cagcgctggc cgacgaanaa gtgctggtat 660
 cgagcgtcac ttctactttc cagtgggttg ccgttacgca caagc 705

<210> 260
 <211> 216
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (19)...(19)
 <223> Xaa = Any amino acid

<400> 260
 Leu Cys Val Thr Ala Asn His Trp Lys Val Glu Val Thr Leu Asp Thr
 1 5 10 15
 Ser Thr Xaa Ser Ser Ala Ser Ala Glu Met Ile Thr Pro Ala Leu Glu
 20 25 30
 Gly Ala Thr Leu Ser Asp Gly Gln Lys Met Ala Ala Lys Val Leu Lys
 35 40 45
 Ser Met Lys Leu Ser Lys Lys Pro Ser Cys Ser Gly Trp Leu Ala Lys
 50 55 60
 Arg Arg Cys Asp His Trp Arg Gln Pro Arg Ser Gly Glu Leu Asp Cys
 65 70 75 80
 Asn Ala Ser Ala Gly Gly Lys Thr Gly His His Arg Pro Ala Asn Cys
 85 90 95
 Thr Arg Gln Lys His Leu Ser Ala Asp Ala Leu Met Ser Thr Gly His
 100 105 110
 Gln Ala Tyr Val Cys Pro Val Asn Ser Trp Tyr Ala Ala Val Pro
 115 120 125
 Phe Phe Asn Asp Ala Ser Ile Met Phe Val Lys Leu Leu Arg Ser Val
 130 135 140
 Ala Ile Gly Leu Ile Val Gly Ala Ile Leu Leu Val Ala Met Pro Ser
 145 150 155 160
 Leu Arg Ser Leu Asn Pro Leu Ser Thr Pro Gln Phe Asp Ser Thr Asp
 165 170 175
 Glu Thr Pro Ala Ser Tyr Asn Leu Ala Val Arg Arg Ala Ala Pro Ala
 180 185 190
 Val Val Asn Val Tyr Asn Arg Gly Leu Asn Thr Asn Ser His Asn Gln
 195 200 205
 Leu Glu Ile Arg Thr Leu Gly Ser
 210 215

<210> 261
 <211> 685
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (1)...(295)
 <223> n = A, C, G or T

<400> 261
 ncattcctga aggacccac ncgatgcttt ttaantaaca agtntgcagc cattgntgnt 60
 ctgcgcgagg agtccacacc tcagtcgcct ctgccacgtc tgttgccaca aagaagacag 120

```

agcaaggccc accatcctcc gagtacattt ttgaacggga atctaaatat ggtgcacaca 180
attaccatcc tttgcctgta gccctggaga gaggaaaagg catttatatg tgggatgtgg 240
aaggcaggca gtacttcgat ttcctgagtg cttatgggtgc tgtcagccaa ggacnctgcc 300
acccaaagat catagatgcc atgaagagtc aggtggacaa gctgacatta acatctcggg 360
ctttctataa caatgtcctt ggtgaatacg aggagtacat caccaagctt ttcaactaca 420
acaaagttct ccctatgaat acaggagtgg aggctggaga gactgcatgt aagctcgctc 480
gtcgttgggg ctacaccgtg aaaggcatcc agaaatacaa agcaaagatt gtttttgctg 540
atgggaactt ttgggggtcga acactatctg caatctccag ttccacagat ccgaccagtt 600
atgatggctt tggacccttc atgccaggct ttgaaaccat cccatataac gatctgcccg 660
cactggagcg tgctcttcag gatcc 685

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<210> 262

<211> 217

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (6)...(18)

<223> Xaa = Any amino acid

<400> 262

```

His Ser Arg Thr Pro Xaa Asp Ala Phe Xaa Thr Ser Xaa Gln Pro Leu
 1          5          10          15
Xaa Xaa Cys Ala Arg Ser Pro His Leu Ser Arg Leu Cys His Val Cys
          20          25          30
Cys His Lys Glu Asp Arg Ala Arg Pro Thr Ile Leu Arg Val His Phe
          35          40          45
Thr Gly Ile Ile Trp Cys Thr Gln Leu Pro Ser Phe Ala Cys Ser Pro
          50          55          60
Gly Glu Arg Lys Arg His Leu Tyr Val Gly Cys Gly Arg Gln Ala Val
65          70          75          80
Leu Arg Phe Pro Glu Cys Leu Trp Cys Cys Gln Pro Arg Thr Leu Pro
          85          90          95
Pro Lys Asp His Arg Cys His Glu Glu Ser Gly Gly Gln Ala Asp Ile
          100          105          110
Asn Ile Ser Gly Phe Leu Gln Cys Pro Trp Ile Arg Gly Val His His
          115          120          125
Gln Ala Phe Gln Leu Gln Gln Ser Ser Pro Tyr Glu Tyr Arg Ser Gly
          130          135          140
Gly Trp Arg Asp Cys Met Ala Arg Ser Ser Leu Gly Leu His Arg Glu
145          150          155          160
Arg His Pro Glu Ile Gln Ser Lys Asp Cys Phe Cys Trp Glu Leu Leu
          165          170          175
Gly Ser Asn Thr Ile Cys Asn Leu Gln Phe His Arg Ser Asp Gln Leu
          180          185          190
Trp Leu Trp Thr Leu His Ala Arg Leu Asn His Pro Ile Arg Ser Ala
          195          200          205
Arg Thr Gly Ala Cys Ser Ser Gly Ser
          210          215

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<210> 263
 <211> 702
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (651)...(699)
 <223> n = A, C, G, or T

<400> 263
 cttagcatct tttactttca ccagcgtttc tgggtgggat ccaggggaatc ctgcagttcc 60
 aggagggcca gggggaccag gttgcccata actgccccga gcaccatcat tgcctcgagc 120
 acctgcagct ccaggaaggc ctggtcgtcc tcgctcacca ggagcccctc taggacccat 180
 ggggccagga gtcctgttgt ctcttggaag accattttca cccttcagtc caggagcacc 240
 tgtttctccc ttttctccat tgcgtccatc aaagcctctg tgtcctttca taccagggaa 300
 tccaggcatg ccagctgggc ctttgataacc tggaggtcca ggcagtccac gctctccagg 360
 tcgtccaggt cttcctgact ctccatcctt tccagcagga ccagctggac caagagcacc 420
 aggaggtcct ggagggcctg ctggaccagc ttgaccaggt tcaccagggg gaccttggtg 480
 tccaggagaa ccaggagatc caggatgtcc agaagaacca gggggtcctg gagggcctgg 540
 tggaccagct ggtcccggat agccacccat tcttccactt cagacttgac atcatatgag 600
 tcgaattggg gagaataatt ttggccacca gttggacatg attacagatt ncangggagc 660
 caggaagccc anggagacct ggttgtcctg gaanggcang gt 702

<210> 264
 <211> 220
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (2)...(18)
 <223> Xaa = Any amino acid

<400> 264
 Thr Xaa Pro Phe Gln Asp Asn Gln Val Ser Xaa Gly Phe Leu Ala Pro
 1 5 10 15
 Xaa Xaa Ser Val Ile Met Ser Asn Trp Trp Pro Lys Leu Phe Ser Pro
 20 25 30
 Ile Arg Leu Ile Cys Gln Val Ser Gly Arg Met Gly Gly Tyr Pro Gly
 35 40 45
 Pro Ala Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Ser Ser Gly His
 50 55 60
 Pro Gly Ser Pro Gly Ser Pro Gly Tyr Gln Gly Pro Pro Gly Glu Pro
 65 70 75 80
 Gly Gln Ala Gly Pro Ala Gly Pro Pro Gly Pro Pro Gly Ala Leu Gly
 85 90 95
 Pro Ala Gly Pro Ala Gly Lys Asp Gly Glu Ser Gly Arg Pro Gly Arg

			100					105					110				
Pro	Gly	Glu	Arg	Gly	Leu	Pro	Gly	Pro	Pro	Gly	Ile	Lys	Gly	Pro	Ala		
		115					120					125					
Gly	Met	Pro	Gly	Phe	Pro	Gly	Met	Lys	Gly	His	Arg	Gly	Phe	Asp	Gly		
	130					135					140						
Arg	Asn	Gly	Glu	Lys	Gly	Glu	Thr	Gly	Ala	Pro	Gly	Leu	Lys	Gly	Glu		
	145				150					155					160		
Asn	Gly	Leu	Pro	Gly	Asp	Asn	Gly	Ala	Pro	Gly	Pro	Met	Gly	Pro	Arg		
			165					170					175				
Gly	Ala	Pro	Gly	Glu	Arg	Gly	Arg	Pro	Gly	Leu	Pro	Gly	Ala	Ala	Gly		
		180						185					190				
Ala	Arg	Gly	Asn	Asp	Gly	Ala	Arg	Gly	Ser	Asp	Gly	Gln	Pro	Gly	Pro		
	195					200						205					
Pro	Gly	Pro	Pro	Gly	Thr	Ala	Gly	Phe	Pro	Gly	Ser						
	210					215					220						

<210> 265
 <211> 691
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (19)...(187)
 <223> n = A, C, G or T

<400> 265

tttcttttggt	gctttaacnt	atcaaggggt	ttttgctctg	cattcatgag	tgcngttggg	60
tagttttttcc	attgctcaca	aagcttttgtg	tgtacaagga	cttcaagaag	cacggtgccc	120
aagaaagatt	tggtgctctg	accttttggg	gatgtttatc	ccatatcttt	acgggctcta	180
cctcatntgg	gctgtgtttg	agatgttcac	tcctatcctg	gaaagaagcg	ggtcggagat	240
cccccccgac	gttgtgctgg	cctccatcct	ggctgtctgt	gtgatgatcc	tctcttccta	300
ttttattacc	ttcatctacc	ttgtgaacag	cacaaagaaa	accattctga	ctctaatact	360
ggtgtgcgcg	gtcaccttcc	tccttgctctg	cagtggagcc	tttttcccat	atagtttctaa	420
tcccgaagag	ccaaagccaa	agagagtgtt	tcttcagcac	gtgagtagaa	cttttcataa	480
cttagaagga	agcgtagtaa	aaagagactc	tggaatatgg	atcaatgggt	ttgattatac	540
tggaatgtct	cacgtaacac	ctcacattcc	tgagatcaac	gacacaatcc	gagctcactg	600
tgaggaggat	gccccactct	gtggcttccc	ttggtatctt	ccagtgcact	tcctgatcag	660
gaaaaactgg	tatcttccaa	cccccgatc	c			691

<210> 266
 <211> 229
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (17)...(61)
 <223> Xaa = Any amino acid

<400> 266

Phe	Phe	Val	Ala	Leu	Thr	Tyr	Gln	Gly	Val	Phe	Ala	Leu	His	Ser	Val
1				5					10					15	
Xaa	Leu	Gly	Ser	Phe	Ser	Ile	Ala	His	Lys	Ala	Leu	Cys	Val	Gln	Gly
			20					25					30		
Leu	Gln	Glu	Ala	Arg	Cys	Pro	Arg	Lys	Ile	Cys	Cys	Ser	Asp	Leu	Leu
		35					40					45			
Gly	Met	Phe	Ile	Pro	Tyr	Leu	Tyr	Gly	Leu	Tyr	Leu	Xaa	Trp	Ala	Val
	50					55					60				
Phe	Glu	Met	Phe	Thr	Pro	Ile	Leu	Glu	Arg	Ser	Gly	Ser	Glu	Ile	Pro
65					70					75					80
Pro	Asp	Val	Val	Leu	Ala	Ser	Ile	Leu	Ala	Val	Cys	Val	Met	Ile	Leu
				85					90					95	
Ser	Ser	Tyr	Phe	Ile	Thr	Phe	Ile	Tyr	Leu	Val	Asn	Ser	Thr	Lys	Lys
			100					105					110		
Thr	Ile	Leu	Thr	Leu	Ile	Leu	Val	Cys	Ala	Val	Thr	Phe	Leu	Leu	Val
		115					120					125			
Cys	Ser	Gly	Ala	Phe	Phe	Pro	Tyr	Ser	Ser	Asn	Pro	Glu	Ser	Pro	Lys
	130					135					140				
Pro	Lys	Arg	Val	Phe	Leu	Gln	His	Val	Ser	Arg	Thr	Phe	His	Asn	Leu
145					150					155					160
Glu	Gly	Ser	Val	Val	Lys	Arg	Asp	Ser	Gly	Ile	Trp	Ile	Asn	Gly	Phe
				165					170				175		
Asp	Tyr	Thr	Gly	Met	Ser	His	Val	Thr	Pro	His	Ile	Pro	Glu	Ile	Asn
			180					185					190		
Asp	Thr	Ile	Arg	Ala	His	Cys	Glu	Glu	Asp	Ala	Pro	Leu	Cys	Gly	Phe
		195					200					205			
Pro	Trp	Tyr	Leu	Pro	Val	His	Phe	Leu	Ile	Arg	Lys	Asn	Trp	Tyr	Leu
	210					215					220				
Pro	Thr	Pro	Gly	Ser											
225															

<210> 267

<211> 671

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (6)...(6)

<223> n = A, C, G, or T

<400> 267

tg	tt	nacat	att	gt	taaca	tt	tt	taaaaa	gt	gt	gt	gctt	gt	at	gt	at	gt	tg	ag	gg	gc	at	g	60			
at	at	gt	gc	ac	aag	agg	cagg	gc	ct	gaaa	ag	gg	agg	cc	cagg	ag	aa	agt	gt	c	ag	ata	ct	tac	120		
ag	gg	gg	gt	gc	aag	cct	cct	g	tt	gt	agg	gaa	tc	ag	cct	tt	g	at	ct	tt	tt	gca	aga	acc	ata	180	
tt	ga	att	tt	aa	ct	gg	ag	acat	ct	tt	cc	agtc	c	ct	ag	aa	att	ta	att	gt	gat	tt	gag	tga	ag	240	
gt	t	gt	ca	aga	tt	tt	ct	gt	ta	cct	at	gt	ta	act	gag	t	cct	t	gt	tt	g	tt	t	gc	ac	gc	300

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cctcttttctt ttttaagtttag cgcacagagc ggtgtgtttt gtgatgacat ttgcttgtgt 360
agttattgct gtgctttttt cttaaaccatc ctttccccag ctgacttttt ttttcccctt 420
gctttttaaat tttatatgga tttgtgtcat gatatcatgg aacgttggtg aaacactgga 480
atctagcctt ttgttttcta gattgagaac gtgaaatcca tgctaaatat ctactgacat 540
gtccacatct tgatgttggg gcagagctga gactcaaagt catcttattc aagtgtcatg 600
tgttctttat gataccatat tattaccttg tgcaatatgt aattttcatt ttgtgttttc 660
cccctggatc c
671

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<210> 268
 <211> 211
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (2)...(2)
 <223> Xaa = Any amino acid

```

<400> 268
Phe Xaa Ile Leu Leu Thr Phe Leu Lys Ser Val Cys Leu Tyr Val Cys
1      5      10      15
Gly His Asp Met Cys Thr Arg Gly Arg Ala Lys Gly Arg Pro Gly Glu
20      25      30
Ser Val Arg Tyr Leu Gln Gly Val Thr Ser Leu Leu Leu Gly Ile Ser
35      40      45
Leu Gly Ser Phe Ala Arg Thr Ile Leu Glu Phe Asn Trp Arg His Leu
50      55      60
Ser Ser Pro Lys Phe Asn Cys Asp Leu Ser Glu Gly Cys Gln Asp Phe
65      70      75      80
Leu Leu Pro Met Leu Asn Val Phe Val Cys Leu Phe Arg Thr Pro Ser
85      90      95
Phe Phe Leu Ser Arg Thr Glu Arg Cys Val Leu His Leu Leu Val Leu
100     105     110
Leu Leu Cys Phe Phe Leu Lys His Pro Phe Pro Ser Leu Phe Phe Ser
115     120     125
Pro Cys Phe Leu Ile Leu Tyr Gly Phe Val Ser Tyr His Gly Thr Leu
130     135     140
Leu Lys His Trp Asn Leu Ala Phe Cys Phe Leu Asp Glu Arg Glu Ile
145     150     155     160
His Ala Lys Tyr Leu Leu Thr Cys Pro His Leu Asp Val Gly Ala Glu
165     170     175
Leu Arg Leu Lys Val Ile Leu Phe Lys Cys His Val Phe Phe Met Ile
180     185     190
Pro Tyr Tyr Tyr Leu Val Gln Tyr Val Ile Phe Ile Leu Cys Phe Pro
195     200     205
Pro Gly Ser
210

```

<210> 269

<211> 684
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (124)...(153)
<223> n = A, C, G or T

<400> 269
acctcagtga tgtgcaaggg tgatcaatga tcggtgagtc tctctcatct cagtgtgtgg 60
agtgaagag tagagaactc agatgccaac taattcttga gcatggataa ccaaatttca 120
gggnaggagc cgttttcaat agctaaaagt gcntgagtta taatcacctt gtcacgtttt 180
ggttgggttc tgaatttgca taccaaccag agcatgaaca ccagtccaca gcatatggca 240
gcaccaaaca aaatcactcc caccatttcc ttaaagtaag aaaaagcaga ggtaagccaa 300
gaggtaaagt ctccgagggg cactgggtcc actctgggtcc cattaaggct caggatctgc 360
atctgcagtc tcgtctgcaa cttttccagc tcctgcgacc agttcccctt caggtaactc 420
gataggtctg tacttttaat aaaagaatta ttaatatacc tattgggagt aatgcacaca 480
tgcaaagtgg atgccacaca actcatttgt atgacatcca tcatctgttc catgtcatgt 540
tgtaaaatat ccactctgat tcactaacat taaccctgag gtgatatgag aatccaccct 600
ttgcagggtg agcaatgcct cagacgtttt ttctgctatc tgacttatag tgtcagcagt 660
attaatttga tctgccctgg atcc 684

<210> 270
<211> 220
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (40)...(40)
<223> Xaa = Any amino acid

<400> 270
Thr Ser Val Met Cys Lys Gly Asp Gln Ser Val Ser Leu Ser His Leu
1 5 10 15
Ser Val Trp Ser Ala Arg Val Glu Asn Ser Asp Ala Asn Phe Leu Ser
20 25 30
Met Asp Asn Gln Ile Ser Gly Xaa Glu Pro Phe Ser Ile Ala Lys Ser
35 40 45
Ala Val Ile Ile Thr Leu Ser Arg Phe Gly Trp Val Leu Asn Leu His
50 55 60
Thr Asn Gln Ser Met Asn Thr Ser Pro Gln His Met Ala Ala Pro Asn
65 70 75 80
Lys Ile Thr Pro Thr His Ser Leu Lys Glu Lys Ala Glu Val Ser Gln
85 90 95
Glu Val Lys Ser Pro Arg Val Thr Gly Ser Thr Leu Val Pro Leu Arg
100 105 110
Leu Arg Ile Cys Ile Cys Ser Leu Val Cys Asn Leu Ser Ser Ser Cys
115 120 125

Asp	Gln	Phe	Pro	Phe	Arg	Leu	Asp	Arg	Ser	Val	Leu	Leu	Ile	Lys	Glu
130						135					140				
Leu	Leu	Ile	Tyr	Leu	Leu	Gly	Val	Met	His	Thr	Cys	Lys	Val	Asp	Ala
145					150					155					160
Thr	Gln	Leu	Ile	Cys	Met	Thr	Ser	Ile	Ile	Cys	Ser	Met	Ser	Cys	Cys
				165					170					175	
Lys	Ile	Ser	Thr	Leu	Ile	His	His	Pro	Gly	Asp	Met	Arg	Ile	His	Pro
			180					185					190		
Leu	Gln	Gly	Lys	Gln	Cys	Leu	Arg	Arg	Phe	Phe	Cys	Tyr	Leu	Thr	Tyr
		195					200					205			
Ser	Val	Ser	Ser	Ile	Asn	Leu	Ile	Cys	Pro	Gly	Ser				
210						215					220				

<210> 271

<211> 703

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (610)...(695)

<223> n = A, C, G or T

<400> 271

cttcagcatc	ttttactttc	accagcggtt	ctgggtggga	tcctgagcag	gggctccagg	60
ggccccagga	tgcccaggcc	ccatgtgtgg	ggcaggtctt	ctgggtgtca	caggcctgtg	120
attgctgggc	ctctcctggg	cagtggcccc	cacacttagg	agcaggatta	tcacatactc	180
gttgacggat	ctgggttcct	ttggagcatg	tgacagagca	aggccccag	gggtccccact	240
cagaccagcc	acccatctct	ggacagcatg	gctggtcctc	acaggcctgt	agctgccact	300
caagagttcc	aggagccaca	ttctcagagc	actgaccacc	tctgcccaca	cagcgctgtg	360
gtcgcagctg	ggaccctca	gaacatgtaa	ctgagcaggg	cccccataag	gaccatgctg	420
accattgtgg	agacctgcat	gcctgacaga	ggccaccatc	atgctcctgg	aaggcatagg	480
cagcgttgag	acagcagtct	tctaccctga	tgtctctccc	aagtaggcct	ttgcacctgc	540
cagaggactc	ctcatactgg	gtgaagcaaa	gcacagggtc	tgagcctgtg	gctggcagga	600
taaccagtan	cagcaggagc	cactgagggg	cttgcatctc	ancangcatt	ttgaacacta	660
tgttttctgca	ctcctacaaa	aaagangcgt	cnacnccggc	cgc		703

<210> 272

<211> 221

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (19)...(31)

<223> Xaa = Any amino acid

<400> 272

Ala Ala Gly Val Asp Ala Ser Phe Leu Glu Cys Arg Asn Ile Val Phe

1				5					10					15		
Lys	Met	Xaa	Xaa	Glu	Met	Gln	Ala	Pro	Gln	Trp	Leu	Leu	Leu	Xaa	Leu	
			20					25					30			
Val	Ile	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val	Leu	Cys	Phe	Thr	Gln	
		35					40					45				
Tyr	Glu	Glu	Ser	Ser	Gly	Arg	Cys	Lys	Gly	Leu	Leu	Gly	Arg	Asp	Ile	
	50					55					60					
Arg	Val	Glu	Asp	Cys	Cys	Leu	Asn	Ala	Ala	Tyr	Ala	Phe	Gln	Glu	His	
65					70					75					80	
Asp	Gly	Gly	Leu	Cys	Gln	Ala	Cys	Arg	Ser	Pro	Gln	Trp	Ser	Ala	Trp	
				85				90						95		
Ser	Leu	Trp	Gly	Pro	Cys	Ser	Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	
			100					105					110			
Arg	His	Arg	Arg	Cys	Val	Gly	Arg	Gly	Gly	Gln	Cys	Ser	Glu	Asn	Val	
		115					120					125				
Ala	Pro	Gly	Thr	Leu	Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Pro	
	130					135					140					
Cys	Cys	Pro	Glu	Met	Gly	Gly	Trp	Ser	Glu	Trp	Gly	Pro	Trp	Gly	Pro	
145					150					155					160	
Cys	Ser	Val	Thr	Cys	Ser	Lys	Gly	Thr	Gln	Ile	Arg	Gln	Arg	Val	Cys	
				165				170						175		
Asp	Asn	Pro	Ala	Pro	Lys	Cys	Gly	Gly	His	Cys	Pro	Gly	Glu	Ala	Gln	
			180					185					190			
Gln	Ser	Gln	Ala	Cys	Asp	Thr	Gln	Lys	Thr	Cys	Pro	Thr	His	Gly	Ala	
		195					200					205				
Trp	Ala	Ser	Trp	Gly	Pro	Trp	Ser	Pro	Cys	Ser	Gly	Ser				
	210					215						220				

<210> 273

<211> 685

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (10)...(79)

<223> n = A, C, G or T

<400> 273

aaaaaaagtn	aagttggcct	tgtgcgtaac	ggccaaccca	ctgaaagtag	aagtgacggt	60
tcgataccag	cacttnttng	tcggccagcg	ttgaaatgat	cacgccagcg	tggaaggtgc	120
aacggtgagc	gatggtcagc	taaaagatgg	cggcaaaggt	attaaaatcg	atgaagttgt	180
caaagaagcc	cagctgctca	ggctggcttg	caaaaagacg	atgtgatcat	tggcgtcaac	240
cgcgatcggg	tgaactcgat	tgctgaaatg	cgtaaagtgc	tgcggcaaaa	ccggccatca	300
tcgccctgca	aattgtacgc	ggcaatgaaa	gcatctatct	gctgatgcgt	taatgtcgta	360
aaccgggcat	caggcttacg	tgtgatgtcc	ggttaactcg	tggtatgctg	ctgccgttcc	420
cttttttaat	gacgcctcca	tcatgtttgt	gaagctctta	cgttccgttg	cgattggatt	480
aattgtcggc	gctattctgc	tggttgccat	gccttcgctg	cgcagcctta	acccgctttc	540
cactccgcaa	tttgacagta	ccgatgagac	gcctgccagc	tataatctgg	cggttcgccg	600

cgccgcgccca gcggtgggta acgtttacaa ccgtgggttg aacaccaact ctcacaacca 660
gcttgagatc cgcaccctgg gatcc 685

<210> 274
<211> 222
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (25)...(26)
<223> Xaa = Any amino acid

<400> 274
Lys Lys Val Lys Leu Ala Leu Cys Val Thr Ala Asn Pro Leu Lys Val
1 5 10 15
Glu Val Thr Val Arg Tyr Gln His Xaa Xaa Val Gly Gln Arg Asn Asp
20 25 30
His Ala Ser Val Glu Gly Ala Thr Leu Ser Asp Gly Gln Leu Lys Asp
35 40 45
Gly Gly Lys Gly Ile Lys Ile Asp Glu Val Val Lys Glu Ala Gln Leu
50 55 60
Leu Arg Leu Ala Cys Lys Lys Thr Met Ser Leu Ala Ser Thr Ala Ile
65 70 75 80
Gly Thr Arg Leu Leu Lys Cys Val Lys Cys Cys Gly Lys Thr Gly His
85 90 95
His Arg Pro Ala Asn Cys Thr Arg Gln Lys His Leu Ser Ala Asp Ala
100 105 110
Leu Met Ser Thr Gly His Gln Ala Tyr Val Cys Pro Val Asn Ser Trp
115 120 125
Tyr Ala Ala Ala Val Pro Phe Phe Asn Asp Ala Ser Ile Met Phe Val
130 135 140
Lys Leu Leu Arg Ser Val Ala Ile Gly Leu Ile Val Gly Ala Ile Leu
145 150 155 160
Leu Val Ala Met Pro Ser Leu Arg Ser Leu Asn Pro Leu Ser Thr Pro
165 170 175
Gln Phe Asp Ser Thr Asp Glu Thr Pro Ala Ser Tyr Asn Leu Ala Val
180 185 190
Arg Arg Ala Ala Pro Ala Val Val Asn Val Tyr Asn Arg Gly Leu Asn
195 200 205
Thr Asn Ser His Asn Gln Leu Glu Ile Arg Thr Leu Gly Ser
210 215 220

<210> 275
<211> 703
<212> DNA
<213> Mus musculus

<220>

<221> unsure
 <222> (656)...(698)
 <223> n = A, C, G, or T

<400> 275
 cttcagcatc ttttactttc accagcgttt ctgggtggga tccctgttcc tgactgtctg 60
 agatgaggct tagccaactc tgttcctgag tgaatctgcc cagcagatag ttaatagtaa 120
 tccacccata ggcaccttcc tcttgtccag tgatgatctt ggcaccctgg aagtcaaagg 180
 ggtagctctt aaggcttggt gacactgcag ccaggacctc gtctgccgat tgctcgcttt 240
 ccattctaag caagcgcagt cctgctgtgg ctcccaggta gacaggagtc tggatgatgct 300
 tggatggttg tatcagttcg gtggacagtt ccatgcattc ggccagggtac gcaccgattt 360
 catctgtttt ctgagcatat tttgagattc caggaccttt cacttggcat tcctctaact 420
 gctgcaccac ccctgtgtca ttctccttct cggccggcca cttgtagatg tacagggttg 480
 tgtgagatga ccccgcatcc aacacaatcc catacttaac attttctggc aaagggttgt 540
 tctgggtcag tcccacagca atcaaagcta tcacagccaa gatagaggtg aaaccaagga 600
 tgatcaagaa tatttttgga gcaaaatctc ttcaccttag aatcctttat atcttncata 660
 aggggcaagc tttttggttc ctttctcttc ctgctgnct tgg 703

<210> 276
 <211> 220
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (2)...(7)
 <223> Xaa = Any amino acid

<400> 276
 Pro Xaa Gln Arg Gly Arg Xaa Arg Asn Gln Lys Ala Cys Pro Leu Xaa
 1 5 10 15
 Lys Ile Arg Ile Leu Arg Arg Asp Phe Ala Pro Lys Ile Phe Leu Ile
 20 25 30
 Ile Leu Gly Phe Thr Ser Ile Leu Ala Val Ile Ala Leu Ile Ala Val
 35 40 45
 Gly Leu Thr Gln Asn Lys Pro Leu Pro Glu Asn Val Lys Tyr Gly Ile
 50 55 60
 Val Leu Asp Ala Gly Ser Ser His Thr Asn Leu Tyr Ile Tyr Lys Trp
 65 70 75 80
 Pro Ala Glu Lys Glu Asn Asp Thr Gly Val Val Gln Gln Leu Glu Glu
 85 90 95
 Cys Gln Val Lys Gly Pro Gly Ile Ser Lys Tyr Ala Gln Lys Thr Asp
 100 105 110
 Glu Ile Gly Ala Tyr Leu Ala Glu Cys Met Glu Leu Ser Thr Glu Leu
 115 120 125
 Ile Pro Thr Ser Lys His His Gln Thr Pro Val Tyr Leu Gly Ala Thr
 130 135 140
 Ala Gly Met Arg Leu Leu Arg Met Glu Ser Glu Gln Ser Ala Asp Glu
 145 150 155 160
 Val Leu Ala Ala Val Ser Thr Ser Leu Lys Ser Tyr Pro Phe Asp Phe

				165						170					175		
Gln	Gly	Ala	Lys	Ile	Ile	Thr	Gly	Gln	Glu	Glu	Gly	Ala	Tyr	Gly	Trp		
			180					185					190				
Ile	Thr	Ile	Asn	Tyr	Leu	Leu	Gly	Arg	Phe	Thr	Gln	Glu	Gln	Ser	Trp		
		195					200					205					
Leu	Ser	Leu	Ile	Ser	Asp	Ser	Gln	Glu	Gln	Gly	Ser						
	210					215					220						

<210> 277
 <211> 719
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (628)...(666)
 <223> n = A, C, G, or T

<400> 277
 cttcagcatc ttttctttca ccagcgtttc tgggtgggat ccaggggtgg ggtggaaaac 60
 ttgctaaaaa caaagcaa at gtctttcaat attcacaacc ttaaaattat atccaagaaa 120
 acaaaggata aataattttt tataaaaata attacttctc aaataacggt tcacaataga 180
 cctgctcaat acatcgatct gactcatctc atctgtgccg cttttcttct ttttaaaatt 240
 ctggcctggg acaaaactac atgaaagaaa gtaccattaa attaagggtt actttccaaa 300
 aaacaataga aaaatcttaa aagtaaattc acttatatat aaaatattaa ggcctctgca 360
 tgagaacggt ttaacatctg gggaactggc ctttcctaac tgacctatga cccactcac 420
 ctcaaacttc agaatgaaag gttctggagt gaaaagtcct tttaattttg ccaatacatg 480
 aaattacaca taaaattaca ctgcaaagta atatgtactt aacaaatgat atattgaaaa 540
 gtctaacttt ctgctggcta atttcagtat ggacttcaga tcaagtatag tgtattttca 600
 gccatatctc ataatctttt gcgacgcngn cgcgaattca agcttactct tncctttttca 660
 attcanaaga actcgtcaag aaggcgatag aaggcgatgc gctgcgaatc gggagccgg 719

<210> 278
 <211> 219
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (17)...(28)
 <223> Xaa = Any amino acid

<400> 278
 Gly Ser Arg Phe Ala Ala His Arg Leu Leu Ser Pro Ser Arg Val Leu
 1 5 10 15
 Xaa Asn Lys Xaa Lys Ser Lys Leu Glu Phe Ala Xaa Ala Ser Gln Lys
 20 25 30
 Ile Met Arg Tyr Gly Lys Tyr Thr Ile Leu Asp Leu Lys Ser Ile Leu
 35 40 45

Lys	Leu	Ala	Ser	Arg	Lys	Leu	Asp	Phe	Ser	Ile	Tyr	His	Leu	Leu	Ser
50						55					60				
Thr	Tyr	Tyr	Phe	Ala	Val	Phe	Tyr	Val	Phe	His	Val	Leu	Ala	Lys	Leu
65					70					75					80
Lys	Gly	Leu	Phe	Thr	Pro	Glu	Pro	Phe	Ile	Leu	Lys	Phe	Glu	Val	Ser
				85					90					95	
Gly	Val	Ile	Gly	Gln	Leu	Gly	Lys	Ala	Ser	Ser	Pro	Asp	Val	Lys	Pro
			100					105					110		
Phe	Ser	Cys	Arg	Gly	Leu	Asn	Ile	Leu	Tyr	Ile	Ser	Glu	Phe	Thr	Phe
		115					120					125			
Lys	Ile	Phe	Leu	Leu	Phe	Phe	Gly	Lys	Pro	Leu	Ile	Trp	Tyr	Phe	Leu
	130					135					140				
Ser	Cys	Ser	Phe	Val	Pro	Gly	Gln	Asn	Phe	Lys	Lys	Lys	Lys	Ser	Gly
145					150					155					160
Thr	Asp	Glu	Met	Ser	Gln	Ile	Asp	Val	Leu	Ser	Arg	Ser	Ile	Val	Lys
				165					170					175	
Arg	Tyr	Leu	Arg	Ser	Asn	Tyr	Phe	Tyr	Lys	Lys	Leu	Phe	Ile	Leu	Cys
			180					185					190		
Phe	Leu	Gly	Tyr	Asn	Phe	Lys	Val	Val	Asn	Ile	Glu	Arg	His	Leu	Leu
		195					200					205			
Cys	Phe	Gln	Val	Phe	His	Pro	Thr	Pro	Gly	Ser					
	210						215								

<210> 279

<211> 703

<212> DNA

<213> Mus musculus

<220>

<223> n = A, C, G or T

<400> 279

cttcgcatct	tttactttcc	cagcgtttct	gggtgggac	cagcagcaag	ttccaccatg	60
atgctctcac	cattctttgt	gatgaaaggt	gtgatgaaga	caaagaacac	atcgtagatg	120
agaagaaggc	ctagcagtat	cacgcatgac	atgaaattgg	gtaacttcat	tgttttaatt	180
aagttgagac	agaaagcaat	tcctaagata	tcctgtaaaa	tccaagccca	cctatcctca	240
tttcgaaata	cagcccacac	aacagcaact	gagatgcaca	gcccggaaag	gaaaatcagg	300
ctcactttta	tgtttttgcc	acaacacaaa	atcggtgcact	gtccacatgg	catcctatga	360
atcaatgcag	aaagacagtt	gtacaggctc	attgacgatg	ctatgcagaa	aatcgctatc	420
ataacataca	caagccacct	gtagaagaaa	tacagtaaga	caatgtcgac	gcggccgcga	480
attcaagctt	actcttcctt	tttcaattca	gaagaactcg	tcaagaaggc	gatagaaggc	540
gatgcgctgc	gaatcgggag	cggcgatacc	gtaaagcacg	angaagcggg	caggccattc	600
gccgncaagc	tcttcacaat	atcacgggta	gncaacgcta	tgctcctgata	gcggtccgnc	660
acaccagcc	cggncacagt	cgatgaatnc	agaaaagcgg	nct		703

<210> 280

<211> 220

<212> PRT

<213> Mus musculus

<220>
 <221> UNSURE
 <222> (1)...(33)
 <223> Xaa = Any amino acid

<400> 280
 Xaa Ala Phe Leu Xaa Ser Ser Thr Val Xaa Gly Leu Gly Val Xaa Asp
 1 5 10 15
 Arg Tyr Gln Asp Ile Ala Leu Xaa Thr Arg Asp Ile Val Lys Ser Leu
 20 25 30
 Xaa Ala Asn Gly Leu Thr Ala Ser Ser Cys Phe Thr Val Ser Pro Leu
 35 40 45
 Pro Ile Arg Ser Ala Ser Pro Ser Ile Ala Phe Leu Thr Ser Ser Ser
 50 55 60
 Glu Leu Lys Lys Glu Glu Ala Ile Arg Gly Arg Val Asp Ile Val Leu
 65 70 75 80
 Leu Tyr Phe Phe Tyr Arg Trp Leu Val Tyr Val Met Ile Ala Ile Phe
 85 90 95
 Cys Ile Ala Ser Ser Met Ser Leu Tyr Asn Cys Leu Ser Ala Leu Ile
 100 105 110
 His Arg Met Pro Cys Gly Gln Cys Thr Ile Leu Cys Cys Gly Lys Asn
 115 120 125
 Ile Lys Val Ser Leu Ile Phe Leu Ser Gly Leu Cys Ile Ser Val Ala
 130 135 140
 Val Val Trp Ala Val Phe Arg Asn Glu Asp Arg Trp Ala Trp Ile Leu
 145 150 155 160
 Gln Asp Ile Leu Gly Ile Ala Phe Cys Leu Asn Leu Ile Lys Thr Met
 165 170 175
 Lys Leu Pro Asn Phe Met Ser Cys Val Ile Leu Leu Gly Leu Leu Leu
 180 185 190
 Ile Tyr Asp Val Phe Phe Val Phe Ile Thr Pro Phe Ile Thr Lys Asn
 195 200 205
 Gly Glu Ser Ile Met Val Glu Leu Ala Ala Gly Ser
 210 215 220

<210> 281
 <211> 722
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (698)...(698)
 <223> n = A, C, G, or T

<400> 281
 cttcagcatc ttttacttttc accagcgttt ctgggtggga tcctgtcgat gtgatacctat 60
 gactaggtaa gtgtgggttca actttaacgt aaatatcatt cttccagaca tatgccaaact 120

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tatgaccttc tggtgaccat gtgatccact gtgtattatt tggaatcttc tcttctgtga 180
tcagctgtct tttattcaca tcataaatgt tgtatgaagc tgtgtaggaa tgtctccatt 240
gcttcacgta gttgtattcc aagagaacaa acagtcggtc aggtgacact gaatgatatc 300
caaagctttc aaaggtactg ttctccaaga aaatggagct gtttccatgt tcagcattga 360
gcagcaagat attgttctct tgtttgtaga ggtattcaaa gtctgaaacc caccacaaag 420
agtaggactt gacccgaaag gtactcttta aatagtcagc tagtgaatac gttctgcggc 480
tgtcagctgc cgcttcatct ttgctcagca gaactattgg cacgggtgatg atggtgacaa 540
gcgacagcgac accaagcagt cccagaagaa ccttccacgg tgtcttcatg gtcggggcggc 600
tccttgaaac tgaactctga agcttgagcg cagcagaagt cactgcgcgc agagacggac 660
gtccgctcgac gccggccgcg aattcaagct tactcttnct ttttcaattc agaagaactc 720
gt

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<210> 282
 <211> 227
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (7)...(7)
 <223> Xaa = Any amino acid

<400> 282

Arg	Val	Leu	Leu	Asn	Lys	Xaa	Lys	Ser	Lys	Leu	Glu	Phe	Ala	Ala	Gly
1				5				10						15	
Val	Asp	Gly	Arg	Pro	Ser	Leu	Arg	Ala	Val	Thr	Ser	Ala	Ala	Leu	Lys
			20					25					30		
Leu	Gln	Ser	Ser	Val	Ser	Arg	Ser	Arg	Pro	Thr	Met	Lys	Thr	Pro	Trp
		35					40					45			
Lys	Val	Leu	Leu	Gly	Leu	Leu	Gly	Val	Ala	Ala	Leu	Val	Thr	Ile	Ile
	50					55					60				
Thr	Val	Pro	Ile	Val	Leu	Leu	Ser	Lys	Asp	Glu	Ala	Ala	Ala	Asp	Ser
65					70					75				80	
Arg	Arg	Thr	Tyr	Ser	Leu	Ala	Asp	Tyr	Leu	Lys	Ser	Thr	Phe	Arg	Val
			85					90						95	
Lys	Ser	Tyr	Ser	Leu	Trp	Trp	Val	Ser	Asp	Phe	Glu	Tyr	Leu	Tyr	Lys
			100					105					110		
Gln	Glu	Asn	Asn	Ile	Leu	Leu	Leu	Asn	Ala	Glu	His	Gly	Asn	Ser	Ser
		115				120						125			
Ile	Phe	Leu	Glu	Asn	Ser	Thr	Phe	Glu	Ser	Phe	Gly	Tyr	His	Ser	Val
	130					135					140				
Ser	Pro	Asp	Arg	Leu	Phe	Val	Leu	Leu	Glu	Tyr	Asn	Tyr	Val	Lys	Gln
145					150					155					160
Trp	Arg	His	Ser	Tyr	Thr	Ala	Ser	Tyr	Asn	Ile	Tyr	Asp	Val	Asn	Lys
			165					170						175	
Arg	Gln	Leu	Ile	Thr	Glu	Glu	Lys	Ile	Pro	Asn	Asn	Thr	Gln	Trp	Ile
			180					185					190		
Thr	Trp	Ser	Pro	Glu	Gly	His	Lys	Leu	Ala	Tyr	Val	Trp	Lys	Asn	Asp
		195					200					205			
Ile	Tyr	Val	Lys	Val	Glu	Pro	His	Leu	Pro	Ser	His	Arg	Ile	Thr	Ser

210
Thr Gly Ser
225

215

220

<210> 283
<211> 701
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (558)...(701)
<223> n = A, C, G or T

<400> 283
cttcagcatc ttttactttc accagcggtt ctgggtggga tccgtttctt ttctctaaat 60
ctttaattct gaactggcct tgagcgggct tgctttcctt gtctttatag taggcaatga 120
gttgaactgt gtagttctgc tctggcagaa ggccttgaat aatcgctttt gttgcagtgt 180
tctggagatt catctggttg gtctttcctc ctgaagctgg agccacgagc agtttgtagc 240
caccaaattt ccctcttggg gctttccatg aaatctgtat actatcatgg gaaatcacat 300
tatatcttaa ccttgtgggt ggagccactt gtcccctgac aatggtgcag aaacaagcag 360
ccgccaaaaa agctagaatc agccagtcct gcattctgca ctgccaaatc atcatcttat 420
tttctgcctc ttacatcagg tgcaacagct gcctgtgcag ggcaacgttc cagcccaggt 480
tggggacctc ttggcgccta gggaagatta agtcgacgcg gccgcgaatt caagcttact 540
cttccttttt caattcanaa gaactcgtca agaangcgat agaaggcgat gcgctgcgaa 600
tcgggagcgg cgatcccgtg aagcacgagg aagcggncag cccattcgcc gncaagctct 660
tnagcaatat cacgggtagc caacgctatg tinctgatagc n 701

<210> 284
<211> 217
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (3)...(47)
<223> Xaa = Any amino acid

<400> 284
Ala Ile Xaa Thr Arg Trp Leu Pro Val Ile Leu Leu Lys Ser Leu Xaa
1 5 10 15
Ala Asn Gly Leu Xaa Ala Ser Ser Cys Phe Thr Gly Ser Pro Leu Pro
20 25 30
Ile Arg Ser Ala Ser Pro Ser Ile Ala Phe Leu Thr Ser Xaa Glu
35 40 45
Leu Lys Lys Glu Glu Ala Ile Arg Gly Arg Val Asp Leu Ile Phe Pro
50 55 60
Arg Arg Gln Glu Val Pro Asn Leu Gly Trp Asn Val Ala Leu His Arg
65 70 75 80

Gln	Leu	Leu	His	Leu	Met	Glu	Ala	Glu	Asn	Lys	Met	Met	Ile	Trp	Gln	
				85					90					95		
Cys	Lys	Met	Arg	Asp	Trp	Leu	Ile	Leu	Ala	Phe	Leu	Ala	Ala	Ala	Cys	
			100					105					110			
Phe	Cys	Thr	Ile	Val	Arg	Gly	Gln	Val	Ala	Pro	Pro	Thr	Arg	Leu	Arg	
		115				120						125				
Tyr	Asn	Val	Ile	Ser	His	Asp	Ser	Ile	Gln	Ile	Ser	Trp	Lys	Ala	Pro	
	130					135					140					
Arg	Gly	Lys	Phe	Gly	Gly	Tyr	Lys	Leu	Leu	Val	Ala	Pro	Ala	Ser	Gly	
145					150					155					160	
Gly	Lys	Thr	Asn	Gln	Met	Asn	Leu	Gln	Asn	Thr	Ala	Thr	Lys	Ala	Ile	
			165					170						175		
Ile	Gln	Gly	Leu	Leu	Pro	Glu	Gln	Asn	Tyr	Thr	Val	Gln	Leu	Ile	Ala	
			180					185					190			
Tyr	Tyr	Lys	Asp	Lys	Glu	Ser	Lys	Pro	Ala	Gln	Gly	Gln	Phe	Arg	Ile	
		195					200					205				
Lys	Asp	Leu	Glu	Lys	Arg	Asn	Gly	Ser								
	210					215										

<210> 285

<211> 723

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (600)...(707)

<223> n= A, C, G or T

<400> 285

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gaaaatccat	ggatataagt	attcttgcag	gcaacaccac	atagacattt	agaaaattac	120
ttaagtgttt	tttgaatttt	tactttacat	gacttcatta	attgtacttc	cattaaagaa	180
gagtttgtaa	cacatctgta	aacaaaaaag	gcatatagca	ttctattctt	aatgaagaaa	240
gaacatattt	aaccacaaag	taaaggaata	atcacaataa	aaagaagagc	tttagctcat	300
gaatatatat	attgagtga	tgaataaata	tatggtcgac	gcggccgcga	attcaagctt	360
actcttcctt	tttcaattca	gaagaactcg	tcaagaaggc	gatagaaggc	gatgcgctgc	420
gaatcgggag	cggcgatacc	gtaaagcacg	aggaagcggg	cagcccattc	gccgccaagc	480
tcttcagcaa	tatcacgggt	agccaacgct	atgtcctgat	agcgggtccgc	cacacccagc	540
cggccacagt	cgatgaatcc	agaaaagcgg	ccattttcca	ccatgatatt	cggcaagcan	600
gcatcgccat	gggtcacgac	gagatcctcg	ccgtcgggca	tgcgcgcctt	gagcctggcg	660
aacagttcgg	ctggcgcgag	cccctgatgc	tcttcgtcca	gatcatnctg	atcggcaaga	720
ccg						723

<210> 286

<211> 217

<212> PRT

<213> Mus musculus

<220>
 <221> UNSURE
 <222> (6)...(41)
 <223> Xaa = Any amino acid

<400> 286

Arg	Ser	Cys	Arg	Ser	Xaa	Ser	Gly	Arg	Arg	Ala	Ser	Gly	Ala	Arg	Ala
1				5					10					15	
Ser	Arg	Thr	Val	Arg	Gln	Ala	Gln	Gly	Ala	His	Ala	Arg	Arg	Arg	Gly
			20					25					30		
Ser	Arg	Arg	Asp	Pro	Trp	Arg	Cys	Xaa	Leu	Ala	Glu	Tyr	His	Gly	Gly
			35				40					45			
Lys	Trp	Pro	Leu	Phe	Trp	Ile	His	Arg	Leu	Trp	Pro	Ala	Gly	Cys	Gly
	50					55					60				
Gly	Pro	Leu	Ser	Gly	His	Ser	Val	Gly	Tyr	Pro	Tyr	Cys	Arg	Ala	Trp
65					70					75					80
Arg	Arg	Met	Gly	Pro	Leu	Pro	Arg	Ala	Leu	Arg	Tyr	Arg	Arg	Ser	Arg
				85					90					95	
Phe	Ala	Ala	His	Arg	Leu	Leu	Ser	Pro	Ser	Arg	Val	Leu	Leu	Asn	Lys
			100					105					110		
Arg	Lys	Ser	Lys	Leu	Glu	Phe	Ala	Ala	Ala	Ser	Thr	Ile	Tyr	Leu	Phe
		115					120					125			
Ile	His	Ser	Ile	Tyr	Ile	Phe	Met	Ser	Ser	Ser	Ser	Phe	Tyr	Cys	Asp
	130					135					140				
Tyr	Ser	Phe	Thr	Leu	Trp	Leu	Asn	Met	Phe	Phe	Leu	His	Glu	Asn	Ala
145					150					155					160
Ile	Cys	Leu	Phe	Cys	Leu	Gln	Met	Cys	Tyr	Lys	Leu	Phe	Phe	Asn	Gly
				165					170					175	
Ser	Thr	Ile	Asn	Glu	Val	Met	Ser	Lys	Asn	Ser	Lys	Asn	Thr	Val	Ile
			180					185					190		
Phe	Met	Ser	Met	Trp	Cys	Cys	Leu	Gln	Glu	Tyr	Leu	Tyr	Pro	Trp	Ile
		195					200					205			
Phe	Ser	Val	Leu	Phe	Met	Leu	Gly	Ser							
		210				215									

<210> 287
 <211> 705
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (655)...(655)
 <223> n= A, C, G or T

<400> 287

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cttcagcatc ttttactttc accagcgttt ctgggtggga tccgggggtgt gttactggca 60
tctatggagt agatgtaagt aatgttgata aacagcctat aatgcacagc atagcctgac 120
ccccaaaaga agtatacatc ccagaatatc aatggtacag agattgagaa aactctcatt 180

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gagggcctag ttgtatttct tgttcaagac aagggtacaa catttcaatt aagagagttc 240
agctctacaa agaagtttta gtcgacgcgg ccgcgaattc aagcttactc ttcctttttc 300
aattcagaag aactcgtcaa gaaggcgata gaaggcgatg cgctgcgaat cgggagcggc 360
gataccgtaa agcacgagga agcggtcagc ccattcgccg ccaagctctt cagcaatatc 420
acgggtagcc aacgctatgt cctgatagcg gtccgccaca cccagccggc cacagtcgat 480
gaatccagaa aagcggccat tttccaccat gatattcggc aagcaggcat cgccatgggt 540
cacgacgaga tcctcgccgt cgggcatgcg cgccttgagc ctggcgaaca gttcggctgg 600
cgcgagcccc tgatgctctt cgtccagatc atcctgatcg acaaagaccg gcttncatcc 660
gagtacgtgc tcgctcgatg cgatgtttcg cttggtggtc gaatg 705

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<210> 288

<211> 222

<212> PRT

<213> Mus musculus

<220>

<221> UNSURE

<222> (17)...(17)

<223> Xaa = Any amino acid

<400> 288

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Phe Asp His Gln Ala Lys His Arg Ile Glu Arg Ala Arg Thr Arg Met
 1          5          10          15
Xaa Ala Gly Leu Cys Arg Ser Gly Ser Gly Arg Arg Ala Ser Gly Ala
 20          25          30
Arg Ala Ser Arg Thr Val Arg Gln Ala Gln Gly Ala His Ala Arg Arg
 35          40          45
Arg Gly Ser Arg Arg Asp Pro Trp Arg Cys Leu Leu Ala Glu Tyr His
 50          55          60
Gly Gly Lys Trp Pro Leu Phe Trp Ile His Arg Leu Trp Pro Ala Gly
 65          70          75          80
Cys Gly Gly Pro Leu Ser Gly His Ser Val Gly Tyr Pro Tyr Cys Arg
 85          90          95
Ala Trp Arg Arg Met Gly Pro Leu Pro Arg Ala Leu Arg Tyr Arg Arg
100          105          110
Ser Arg Phe Ala Ala His Arg Leu Leu Ser Pro Ser Arg Val Leu Leu
115          120          125
Asn Lys Arg Lys Ser Lys Leu Glu Phe Ala Ala Ala Ser Thr Lys Thr
130          135          140
Ser Leu Ser Thr Leu Leu Ile Glu Met Leu Pro Cys Leu Glu Gln Glu
145          150          155          160
Ile Gln Leu Gly Pro Gln Glu Phe Ser Gln Ser Leu Tyr His Tyr Ser
165          170          175
Gly Met Tyr Thr Ser Phe Gly Gly Gln Ala Met Leu Cys Ile Ile Gly
180          185          190
Cys Leu Ser Thr Leu Leu Thr Ser Thr Pro Met Pro Val Thr His Pro
195          200          205
Gly Ser His Pro Glu Thr Leu Val Lys Val Lys Asp Ala Glu
210          215          220

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<210> 289
 <211> 722
 <212> DNA
 <213> Mus musculus

 <220>
 <221> unsure
 <222> (702)...(722)
 <223> n= A, C, G or T

<400> 289
 cttcagcatc ttttactttc accagcgttt ctgggtggga tcccaggagt tttccttcgc 60
 tgataaaggg ttctgggaag caggtagcag cagagatggg acagacagca tctcccacat 120
 agaaaataca cccattatc atcatttttc caaaacgagg ttcaatgggg agtttagcca 180
 ggattcgtcc aagaggagtc aactcatcat tggcatctaa agcatcaagt tctcttagag 240
 tatgctctgc ttcaattaca gcatccaaag gtggagggtc gattgccttt gcaaggaatt 300
 ggccaattcc tcctagacgc agaagtttta tgctcagagc aatttcatgc aatgggtgtc 360
 taaacatctc tgggtgtcatg tgggtctcta gtctaaaatt tagaagtaga aaagtcaaac 420
 atgacaacat aacaaaaatc tttgcataaa aaaactgggt attatagtgg ccctttccta 480
 gtctatacca cacaactttt cctattgact acaaaactag actagttgac tgaaaactgg 540
 ctcttgactt tactttcaca gccagggtat cttttaactg ataagtagag gagtaaggaa 600
 aaaagttaat gctaacactt ctaactatgg ctactaccta ccgatacctac ctattaacaa 660
 gcacggacaa caacaaaacg ggcccaaact cagcaaaagg cnggacataa atataataaa 720
 cn 722

<210> 290
 <211> 237
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (7)...(7)
 <223> Xaa = Any amino acid

<400> 290
 Val Tyr Tyr Ile Tyr Val Xaa Pro Phe Ala Glu Phe Gly Pro Val Leu
 1 5 10 15
 Leu Leu Ser Val Leu Val Asn Arg Asp Arg Val Val Ala Ile Val Arg
 20 25 30
 Ser Val Ser Ile Asn Phe Phe Pro Tyr Ser Ser Thr Tyr Gln Leu Lys
 35 40 45
 Asp Thr Leu Ala Val Lys Val Lys Ser Gly Ala Ser Phe Gln Ser Thr
 50 55 60
 Ser Leu Val Leu Ser Ile Gly Lys Val Val Trp Tyr Arg Leu Gly Lys
 65 70 75 80
 Gly His Tyr Asn Thr Gln Phe Phe Tyr Ala Lys Ile Phe Val Met Leu
 85 90 95
 Ser Cys Leu Thr Phe Leu Leu Leu Asn Phe Arg Leu Glu Thr His Met

			100					105					110				
Thr	Pro	Glu	Met	Phe	Arg	Thr	Pro	Leu	His	Glu	Ile	Ala	Leu	Ser	Ile		
		115					120					125					
Lys	Leu	Leu	Arg	Leu	Gly	Gly	Ile	Gly	Gln	Phe	Leu	Ala	Lys	Ala	Ile		
	130				135						140						
Glu	Pro	Pro	Pro	Leu	Asp	Ala	Val	Ile	Glu	Ala	Glu	His	Thr	Leu	Arg		
145				150						155					160		
Glu	Leu	Asp	Ala	Leu	Asp	Ala	Asn	Asp	Glu	Leu	Thr	Pro	Leu	Gly	Arg		
			165					170						175			
Ile	Leu	Ala	Lys	Leu	Pro	Ile	Glu	Pro	Arg	Phe	Gly	Lys	Met	Met	Ile		
		180					185						190				
Met	Gly	Cys	Ile	Phe	Tyr	Val	Gly	Asp	Ala	Val	Cys	Thr	Ile	Ser	Ala		
	195						200					205					
Ala	Thr	Cys	Phe	Pro	Glu	Pro	Phe	Ile	Ser	Glu	Gly	Lys	Leu	Leu	Gly		
	210				215						220						
Ser	His	Pro	Glu	Thr	Leu	Val	Lys	Val	Lys	Asp	Ala	Glu					
225				230						235							

<210> 291
 <211> 703
 <212> DNA
 <213> Mus musculus

 <220>
 <221> unsure
 <222> (547)...(702)
 <223> n= A, C, G or T

<400> 291
 cttcagcatc ttttactttc accagcggtt ctgggtggga tccactcttg ctacccaact 60
 gtttgtggaa gaaagtctgg agctgctgcc atgcgtccac ctgggccacg gcatgagccc 120
 tgggctcccc tccaaaggtg atgttggcac ccaccaggag gtgcatgcca gcgctgcaca 180
 gcgggaagta agggggctcg atgtaatgcc ctgctgctgg gtagcagatg atctggggct 240
 tctccttccc gtgcgcctgc aggcgttttg agatctcatc agcatagaac tcgctcttcc 300
 agttgtggtc gtcctgacct acgaggaaca ggaaggctcg gtcagacctt tccacgggaa 360
 tgaagctctt cttgtctacc agagggttt gcagagcttc cacgacatcc aagagaccat 420
 ctttggtcat tttgacttgg tttctcagaa gggacacagg gggatatagtc tcatccttgt 480
 aggagatggt gttcccaaca gcagccacgg agccattgat gaccacagca gctgtgatgc 540
 ccttcangaa ggaggccata ncaaggccaa gttcaccccc tttggaaatc ccaagcagcc 600
 caattccagg tccttttacc tcggggtggc tgcgchangta gttcacggct tcttcaaagt 660
 actccatgtg catgggttct atgctcttgg ggaaggctcg cnt 703

<210> 292
 <211> 703
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure

<222> (695)...(695)

<223> n= A, C, G or T

<400> 292

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cttcagcatc ttttactttc accagcgttt ctgggtggga tccactcttg ctaccaact 60
gtttgtggaa gaaagtctgg agctgctgcc atgcgtccac ctgggccacg gcatgagccc 120
tgggctcccc tccaaaggtg atgttggcac ccaccaggag gtgcatgcca gcgctgcaca 180
gcggaagta agggggctcg atgtaatgcc ctgctgctgg gtagcagatg atctggggct 240
tctccttccc gtgcgcctgc aggcgttttg agatctcatc agcatagaac tcgctcttcc 300
agttgtggtc gtcctgacct acgaggaaca ggaaggtcgt gtcagacctt tccacgggaa 360
tgaagctctt cttgtctacc agagggtttt gcagagcttc cacgacatcc aagagaccat 420
ctttggtcat tttgacttgg tttctcagaa gggacacagg gggatatagtc tcctccttgt 480
aggagatggg gttcccaaca gcagccacgg agccattgat gaccacagca gctgtgatgc 540
ccttcaggaa ggaggccata gcaaggccaa gttcaccccc tttggaaatc ccaagcagcc 600
caattccagg tcctttttacc tcgggggtggc tgcgcaggta gttcacggct tcttcaaaag 660
tactccatgt gcatggtttc tatgctcttg gggangtcgt cgt 703
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<210> 293

<211> 231

<212> PRT

<213> Mus musculus

<400> 293

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Thr Ser Pro Arg Ala Lys Pro Cys Thr Trp Ser Thr Phe Glu Glu Ala
 1          5          10          15
Val Asn Tyr Leu Arg Ser His Pro Glu Val Lys Gly Pro Gly Ile Gly
 20          25          30
Leu Leu Gly Ile Ser Lys Gly Gly Glu Leu Gly Leu Ala Met Ala Ser
 35          40          45
Phe Leu Lys Gly Ile Thr Ala Ala Val Val Ile Asn Gly Ser Val Ala
 50          55          60
Ala Val Gly Asn Thr Ile Ser Tyr Lys Asp Glu Thr Ile Pro Pro Val
 65          70          75          80
Ser Leu Leu Arg Asn Gln Val Lys Met Thr Lys Asp Gly Leu Leu Asp
 85          90          95
Val Val Glu Ala Leu Gln Ser Pro Leu Val Asp Lys Lys Ser Phe Ile
100          105          110
Pro Val Glu Arg Ser Asp Thr Thr Phe Leu Phe Leu Val Gly Gln Asp
115          120          125
Asp His Asn Trp Lys Ser Glu Phe Tyr Ala Asp Glu Ile Ser Lys Arg
130          135          140
Leu Gln Ala His Gly Lys Glu Lys Pro Gln Ile Ile Cys Tyr Pro Ala
145          150          155          160
Ala Gly His Tyr Ile Glu Pro Pro Tyr Phe Pro Leu Cys Ser Ala Gly
165          170          175
Met His Leu Leu Val Gly Ala Asn Ile Thr Phe Gly Gly Glu Pro Arg
180          185          190
Ala His Ala Val Ala Gln Val Asp Ala Trp Gln Gln Leu Gln Thr Phe
195          200          205
Phe His Lys Gln Leu Gly Ser Lys Ser Gly Ser His Pro Glu Thr Leu
```

210
Val Lys Val Lys Asp Ala Glu
225 230

220

<210> 294
<211> 623
<212> DNA
<213> Mus musculus

<400> 294
gaattcgcg cggcggtcga cgaaacagga tctcccttct ctgctcagag atgagcaa at 60
gccataatta cgacctcaag ccagcaaagt gggatacttc tcaagaacaa cagaaacaaa 120
gattagcact aactaccagt caacctggag aaaatgggtat cataagagga agatacccta 180
tagaaaaact caaaatatct ccaatgttcg ttgttcgagt ccttgctata gccttggcaa 240
ttcgattcac ccttaacaca ttgatgtggc ttgccatttt caaagagacg tttcagccag 300
tattgtgcaa caaggaagtc ccagtttctt caagagaggg ctactgtggc ccattgcccta 360
acaactggat atgtcacaga aacaactgtt accaattttt taatgaagag aaaacctgga 420
accagagcca agcttctctgt ttgtctcaaa attccagcct tctgaagata tacagtaaag 480
aagaacagga tttctttaaag ctggttaagt cctatcactg gatgggactg gtccagatcc 540
cagcaaatgg ctcttggcag tgggaagatg gtcctctctt ctcatacaat cagttaactc 600
tggtggaaat accaaaagga tcc 623

<210> 295
<211> 226
<212> PRT
<213> Mus musculus

<220>
<221> UNSURE
<222> (17)...(17)
<223> Xaa = Any amino acid

<400> 295
Ala Ser Pro Ser Ile Ala Phe Leu Thr Ser Ser Ser Glu Leu Lys Lys
1 5 10 15
Xaa Glu Ala Ile Arg Gly Arg Arg Arg Arg Asn Arg Ile Ser Leu Leu
20 25 30
Cys Ser Glu Met Ser Lys Cys His Asn Tyr Asp Leu Lys Pro Ala Lys
35 40 45
Trp Asp Thr Ser Gln Glu Gln Gln Lys Gln Arg Leu Ala Leu Thr Thr
50 55 60
Ser Gln Pro Gly Glu Asn Gly Ile Ile Arg Gly Arg Tyr Pro Ile Glu
65 70 75 80
Lys Leu Lys Ile Ser Pro Met Phe Val Val Arg Val Leu Ala Ile Ala
85 90 95
Leu Ala Ile Arg Phe Thr Leu Asn Thr Leu Met Trp Leu Ala Ile Phe
100 105 110
Lys Glu Thr Phe Gln Pro Val Leu Cys Asn Lys Glu Val Pro Val Ser
115 120 125

Ser	Arg	Glu	Gly	Tyr	Cys	Gly	Pro	Cys	Pro	Asn	Asn	Trp	Ile	Cys	His
130						135					140				
Arg	Asn	Asn	Cys	Tyr	Gln	Phe	Phe	Asn	Glu	Glu	Lys	Thr	Trp	Asn	Gln
145					150					155					160
Ser	Gln	Ala	Ser	Cys	Leu	Ser	Gln	Asn	Ser	Ser	Leu	Leu	Lys	Ile	Tyr
				165					170					175	
Ser	Lys	Glu	Glu	Gln	Asp	Phe	Leu	Lys	Leu	Val	Lys	Ser	Tyr	His	Trp
			180					185					190		
Met	Gly	Leu	Val	Gln	Ile	Pro	Ala	Asn	Gly	Ser	Trp	Gln	Trp	Glu	Asp
		195					200					205			
Gly	Ser	Ser	Leu	Ser	Tyr	Asn	Gln	Leu	Thr	Leu	Val	Glu	Ile	Pro	Lys
	210					215					220				
Gly	Ser														
225															

<210> 296
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 296
 gaattcgcgg ccgcgtcgac cagctgtgtg ctgccctgct tctgctcaac ctgatcttcc 60
 tcctagactc ctggattgcg ctgtataata cccgagggtt ctgcattgcc gtggctgtat 120
 ttcttcacta ttttctcttg gtctcattca catggatggg attagaagca ttccacatgt 180
 acctagcact ggtcaagggt ttttaatactt acatccgaaa gtacatcctt aaattctgca 240
 ttgttggtg gggcatacca gctgtggttg tgtccatcgt cctgactata tccccagata 300
 actatgggat tggatcc 317

<210> 297
 <211> 232
 <212> PRT
 <213> Mus musculus

<220>
 <221> UNSURE
 <222> (2)...(23)
 <223> Xaa = Any amino acid

<400> 297
 Ile Xaa Thr Lys Ser Ile Arg Gly Ser Arg Gln Pro Asn Cys Ser Pro
 1 5 10 15
 Gly Ser Arg Arg Ala Cys Xaa Thr Ala Arg Ile Ser Ser Pro Met Ala
 20 25 30
 Met Pro Ala Cys Arg Ile Ser Trp Trp Lys Met Ala Ala Phe Leu Asp
 35 40 45
 Ser Ser Thr Val Ala Gly Trp Val Trp Arg Thr Ala Ile Arg Thr Arg
 50 55 60
 Trp Leu Pro Val Ile Leu Leu Lys Ser Leu Ala Ala Asn Gly Leu Thr
 65 70 75 80

<220>
 <221> UNSURE
 <222> (1)...(1)
 <223> Xaa = Any amino acid

<400> 299

Xaa	Phe	Asp	Arg	Gln	His	Pro	Lys	Asn	Phe	Ser	Lys	His	Leu	Phe	Arg
1				5					10					15	
Ser	Ser	Val	Phe	Ser	Ser	Phe	His	Thr	Val	Ser	Gly	Phe	Gln	Asn	Val
			20					25					30		
Glu	Ile	Lys	Asp	Thr	Thr	Phe	Ala	Val	Tyr	Leu	Lys	Ile	Ser	Arg	Ser
		35					40					45			
Thr	Glu	Tyr	Ser	Pro	Ser	Phe	Val	Lys	Gly	Phe	Leu	Leu	Arg	Asp	Arg
	50					55					60				
Gly	Thr	Asp	Leu	Glu	Ser	Leu	Asp	Lys	Leu	Met	Lys	Thr	Lys	Asn	Ile
65					70					75					80
Pro	Glu	Ala	His	Gln	Asp	Ala	Phe	Lys	Thr	Gly	Phe	Ala	Glu	Gly	Phe
			85						90					95	
Leu	Lys	Ala	Gln	Ala	Leu	Thr	Gln	Lys	Thr	Asn	Asp	Ser	Leu	Arg	Arg
			100					105					110		
Thr	Arg	Leu	Ile	Leu	Phe	Val	Leu	Leu	Leu	Phe	Gly	Ile	Tyr	Gly	Leu
		115					120					125			
Leu	Lys	Asn	Pro	Phe	Leu	Ser	Val	Arg	Phe	Arg	Thr	Thr	Thr	Gly	Leu
	130					135					140				
Asp	Ser	Ala	Val	Asp	Pro	Val	Gln	Met	Lys	Asn	Val	Thr	Phe	Glu	His
145					150					155					160
Val	Lys	Gly	Val	Glu	Glu	Ala	Lys	Gln	Glu	Leu	Gln	Glu	Val	Val	Glu
			165						170					175	
Phe	Leu	Lys	Asn	Pro	Gln	Lys	Phe	Thr	Val	Leu	Gly	Gly	Lys	Leu	Pro
			180					185					190		
Lys	Gly	Ile	Leu	Leu	Val	Gly	Pro	Pro	Gly	Thr	Gly	Lys	Thr	Leu	Leu
	195						200					205			
Ala	Arg	Ala	Val	Ala	Gly	Glu	Ala	Asp	Val	Pro	Phe	Tyr	Tyr	Ala	Ser
	210					215					220				
Gly	Ser	His	Pro	Glu	Thr	Leu	Val	Lys	Val	Lys	Asp	Ala			
225					230					235					

<210> 300
 <211> 705
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (655)...(655)
 <223> n= A, C, G or T

<400> 300

cttcagcadc	ttttactttc	accagcggtt	ctgggtggga	tccgggggtg	gttactggca	60
tctatggagt	agatgtaagt	aatgttgata	aacagcctat	aatgcacagc	atagcctgac	120
ccccaaaaga	agtatacatc	ccagaatatc	aatggtagag	agattgagaa	aactctcatt	180
gagggcctag	ttgtatttct	tggtcaagac	aaggttaca	catttcaatt	aagagagttc	240
agctctacaa	agaagtttta	gtcgacgcgg	ccgcgaattc	aagcttactc	ttcctttttc	300
aattcagaag	aactcgtcaa	gaaggcgata	gaaggcgatg	cgctgcgaat	cgggagcggc	360
gataccgtaa	agcacgagga	agcgggtcagc	ccattcgccg	ccaagctctt	cagcaatatc	420
acgggtagcc	aacgctatgt	cctgatagcg	gtccgccaca	cccagccggc	cacagtcgat	480
gaatccagaa	aagcggccat	tttccaccat	gatattcggc	aagcaggcat	cgccatgggt	540
cacgacgaga	tcctcgccgt	cgggcatgcg	cgccttgagc	ctggcgaaca	gttcggctgg	600
cgcgagcccc	tgatgctctt	cgtccagatc	atcctgatcg	acaaagaccg	gcttncatcc	660
gagtacgtgc	tcgctcgatg	cgatgtttcg	cttgggtggtc	gaatg		705

<210> 301

<211> 723

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (600)...(707)

<223> n= A, C, G or T

<400> 301

cttcgcatct	tttactttca	ccagcggttc	tgggtgggat	ccgagcataa	ataagacaga	60
gaaaatccat	ggatataagt	attcttgcag	gcaacaccac	atagacattt	agaaaattac	120
ttaagtgttt	tttgaatttt	tactttacat	gacttcatta	attgtacttc	cattaaagaa	180
gagtttgtaa	cacatctgta	aacaaaaaag	gcatatagca	ttctatttct	aatgaagaaa	240
gaacatattt	aaccacaaag	taaaggaata	atcacaataa	aaagaagagc	tttagctcat	300
gaatatatat	attgagtgaa	tgaataaata	tatggtcgac	gcggccgcga	attcaagctt	360
actcttcctt	tttcaattca	gaagaactcg	tcaagaaggc	gatagaaggc	gatgcgctgc	420
gaatcgggag	cggcgatacc	gtaaagcacg	aggaagcggg	cagcccattc	gccgccaagc	480
tcttcagcaa	tatcacgggt	agccaacgct	atgtcctgat	agcgggtccg	cacacccagc	540
cggccacagt	cgatgaatcc	agaaaagcgg	ccattttcca	ccatgatatt	cggcaagcan	600
gcacgcgccat	gggtcacgac	gagatcctcg	ccgtcgggca	tgcgcgcctt	gagcctggcg	660
aacagttcgg	ctggcgcgag	cccctgatgc	tcttcgtcca	gatcatnctg	atcggcaaga	720
ccg						723

<210> 302

<211> 610

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (495)...(571)

<223> n= A, C, G or T

<400> 302

ggatccacag	agtgcggggt	cccctgccac	cactttctgg	gagcttttct	ctgtagtacc	60
------------	------------	------------	------------	------------	------------	----

caggagcaca	gtcctgacag	gagtgtcctg	cggtgccagg	aggacagaca	cagagctcca	120
acagcaatgc	cgcctcgccc	tcagcgggca	gctcgacagc	tttccggcca	acctccatgg	180
aaatggtggc	aattctgctc	tgctgcagtc	cctggccgta	tgatgctttg	atgaggatgt	240
agtcaatatt	gctgagaaca	gacataaaat	cagagtgtgt	gacgtgtttc	tcagacacgg	300
agttaaaata	tttccagaat	tcaagcttac	tcttcctttt	tcaattcaga	agaactcgtc	360
aagaaggcga	tagaaggcga	tgcgctgcga	atcgggagcg	gcgataaccgt	aaagcacgag	420
gaagcgggtca	gcccattcgc	cgccaagctc	ttcagcaata	tcacgggtag	ccaacgctat	480
gtcctgatag	cggtncgcca	cacccagccg	gccacagtcg	atgaatccag	aaaagcggtc	540
attttccacc	atgatattcg	gcaagcaggc	ntcgccatgg	gtcacgacga	agatcctcgc	600
ccgtccggcg						610

<210> 303

<211> 606

<212> DNA

<213> Mus musculus

<400> 303

ggatcccaat	acttcgacca	ggtgaccccc	tggtaaatgt	gtgtaagaca	tctacaaaat	60
cagcgtcatc	aggagaaagg	cgactggggg	cttctgcata	ctcaaagtta	ggcccagctg	120
gatccgaaca	accataacca	tccagaaatt	ttcttctggg	tcattgaaga	actgtctgtt	180
cttctgtgtg	tgtaaagatt	ttgcaggttt	cgatgggcta	aaagtccttg	taaactgtac	240
aattgcttca	cataatccaa	cattttcta	tttttcatte	tttttctact	catttggtatg	300
gtaaaacaga	atttttat	cttcctctcc	cccgcgggcc	cgaattcaag	cttactcttc	360
ctttttcaat	tcagaagaac	tcgtcaagaa	ggcgatagaa	ggcgatgcgc	tgcaaatcgg	420
gagcggcgat	accgtaaagc	acgaggaagc	ggtcagccca	ttcgccgcca	agctcttcag	480
caatatcacg	ggtagccaac	gctatgtcct	gatagcggtc	cgccacaccc	agccggccac	540
agtcgatgaa	tccagaaaag	cggccatttt	ccaccatgat	attcggcaag	caggcatcgc	600
catggg						606

<210> 304

<211> 608

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (589)...(589)

<223> n= A, C, G or T

<400> 304

ggatcccaat	cctgctgctg	gagtgtctctc	gcaaaccctt	gctgtcgcct	ggaaaaaagt	60
gccaagctg	ctgacgcaaa	aagaaaaaaa	aaaagaaaga	aagatgctgc	tcatttgc	120
gctcacttac	atataatttg	atgttctactg	accagcctg	agctctcccc	agcctcgtgg	180
gtgggtgactt	ttcctgcagg	gcgcacgccc	tgctgcagcc	ccctcccccg	cgggcccga	240
ttcaagctta	ctcttccttt	ttcaattcag	aagaactcgt	caagaaggcg	atagaaggcg	300
atgcgctgcg	aatcgggagc	ggcgataccg	taaagcacga	ggaagcggtc	agcccattcg	360
ccgccaagct	cttcagcaat	atcacgggta	gccaacgcta	tgtcctgata	gcgggtccgcc	420
acaccagcc	ggccacagtc	gatgaatcca	gaaaagcggc	cattttccac	catgatattc	480
ggcaagcagg	catcgccatg	ggtcacgacg	agatcctcgc	cgtcgggcat	gcgcgccttg	540
agcctggcga	acagttcggc	tggcgcgagc	ccctgatgct	cttcgctcana	tcatacctgat	600

cgacaagg

608

<210> 305

<211> 635

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (596)...(635)

<223> n= A, C, G or T

<400> 305

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ggatcccaat cctgctgctg gagtgccttc gcaaaccctt gctgtcgcct ggaaaaaagt 60
gcccaagctg ctgacgcaaa aagaaaaaaa aaaagaaaga aagatgctgc tcatttgcac 120
gctcacttac atatatattg atgttcaactg acccagcctg agctctcccc agcctcgtgg 180
gtggtgactt ttcttgacag ggcacgccc tgctgcagcc ccttcccccg cgggcccga 240
ttcaagctta ctcttccttt ttcaattcag aagaactcgt caagaaggcg atagaaggcg 300
atgcgctgcg aatcgggagc ggcgataccg taaagcacga ggaagcggc agcccattcg 360
ccgccaagct cttcagcaat atcacgggta gccaacgcta tgcctgata gcggtccgcc 420
acaccagcc ggccacagtc gatgaatcca gaaaagcggc cttttccac catgatattc 480
ggcaagcagg catcgccatg ggtcacgacg agatcctcgc cgtcgggcat gcgcgccttg 540
agcctggcga acagttcggc tggcgcgagc cctgatgct cttcgtccag atcatnctga 600
tcgacaagac cggctttcat tccgagtacg tgctn 635
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<210> 306

<211> 635

<212> DNA

<213> Mus musculus

<400> 306

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ggatcccacg gggaaagggtg gcacagggtgc tattgtggaa tgccacggac ccggtgtcga 60
ttccatctcc tgactggca tggcaactat ctgcaacatg ggtgcagaaa ttggggccac 120
tacatcagtg ttccataca accacaggat gaaaaagtac ctgagcaaga caggccgaac 180
agacattgcc aacctagcag aagaattcaa gcttactctt cttttttcaa ttcagaagaa 240
ctcgtcaaga aggcgataga aggcgatgcg ctgcgaatcg ggagcggcga taccgtaaag 300
cacgaggaag cggtcagccc attcgccgcc aagctcttca gcaatatcac gggtagccaa 360
cgctatgtcc tgatagcggc ccgccacacc cagccggcca cagtcgatga atccagaaaa 420
gcggccattt tccaccatga tattcggaac gcaggcatcg ccatgggtca cgacgagatc 480
ctcgccgtcg ggcatgcgcg ccttgagcct ggcaacaag ttcgggtggc gcgagcccct 540
gatgctcttc gtccagatca tcctgatcga caaagaccgg ctttcatccg agtacctgct 600
cgctcgatgc gatgtttcct tggggggcga atggg 635
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<210> 307

<211> 635

<212> DNA

<213> Mus musculus

<400> 307

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ggatccctcg gtgaaagggtg gcacagggtgc tattgtggaa taccacggac ccggtgtcga 60
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ttccatctcc	tgcactggca	tggcaactat	ctgcaacatg	ggtgcagaaa	ttggggccac	120
tacgtcagtg	ttcccataca	accacaggat	gaaaaagtac	ctgagcaaga	caggccgaac	180
agacattgcc	aacctagcag	aagaattcaa	gcttactctt	cctttttcaa	ttcagaagaa	240
ctcgtcaaga	aggcgataga	aggcgatgcg	ctgcgaatcg	ggagcggcga	taccgtaaag	300
cacgaggaag	cggtcagccc	attcgccgcc	aagctcttca	gcaatatcac	gggtagccaa	360
cgctatgtcc	tgatagcggg	ccgccacacc	cagccggcca	cagtcgatga	atccagaaaa	420
gcggccattt	tccaccatga	tattcggcaa	gcaggcatcg	ccatgggtca	cgacgagatc	480
ctcgccgctg	ggcatgcgcg	ccttgagcct	ggcgaacagt	tcggctggcg	cgagcccctg	540
atgctcttcg	tccagatcat	cctgatcgac	aagaccggct	ttcattccga	gtacgtgctc	600
gctcgatgcg	atgtttcgct	tggtggtcga	atggg			635

<210> 308

<211> 635

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (524)...(524)

<223> n= A, C, G or T

<400> 308

ggatccctgc	ggccactgcc	cagagagaat	cgttacaatc	acaggcccaa	ctgacgccat	60
cttcaaggcc	tttgctatga	tcgcgtacaa	gtttgaggag	gacatcatta	attccatgag	120
caacagcccc	gccccgcg	gcccgaattc	aagcttactc	ttcctttttc	aattcagaag	180
aactcgtcaa	gaaggcgata	gaaggcgatg	cgctgcgaat	cgggagcggc	gataccgtaa	240
agcacgagga	agcggtcagc	ccattcgccg	ccaagctctt	cagcaatatc	acgggtagcc	300
aacgctatgt	cctgatagcg	gtccgccaca	cccagccggc	cacagtcgat	gaatccagaa	360
aagcggccat	tttccaccat	gatattcggc	aagcaggcat	cgccatgggt	cacgacgaga	420
tcctcgccgt	cgggcatgcg	cgcccttgagc	ctggcgaaca	gttcggctgg	cgcgagcccc	480
tgatgctctt	cgtccagatc	atcctgatcg	acaagaccgg	cttncatccg	agtacgtgct	540
cgctcgatgc	gatgtttcgc	ttggtggtcg	aatgggcagg	tagccggatc	aaagcgtatg	600
cagcccgcgc	cattgcatca	gccatgatgg	atact			635

<210> 309

<211> 631

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (580)...(597)

<223> n= A, C, G or T

<400> 309

ggatccgaca	ccgtctttctg	gcttccacag	gcgcccattcc	acaatgtgtg	gcacacatat	60
ctagaaacat	agacatatga	agaaaataaa	aataactcgg	tagagctggg	catttgtgta	120
catattttta	gtcctagcat	ttgggagaca	acagaaagcg	gagcgtgtg	ggctcaaatac	180
tagcctgatc	cacatgggtga	gtgagttcta	ggccaaccga	ggatgagaac	ttgtctcaaa	240
acagttttta	aagaaaatac	tctagaataa	aacagaacta	agcaccacca	ccagtagagt	300

gcacagaaat	aagacacact	ggtgctgaat	atttcatagc	ctgtgtgtgt	ctgtccttcc	360
tttcctttat	gttttttttt	gagacaggg	ttctctgtgt	agccctggct	gttctggaac	420
tcactctgta	gaccatgctg	gcctcaaact	cagaaatttg	cctgcctctg	cctcccaagt	480
gctgaaatga	aaggtgtgtg	cactacgtgt	ttcttttctt	tttaattaac	taattaatta	540
acatctcaaa	cactggctcc	cccttcgtgg	taccctctn	acagagtccc	ttccctnccc	600
tctttctttc	tcctgtgaga	gtgtgcccgc	g			631

<210> 310
 <211> 603
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (512)...(597)
 <223> n= A, C, G or T

<400> 310						
ggatccgacc	ccctgccgtt	ctctatgtgc	ttctatgagg	gttactatga	tgaaaataga	60
gcagaagata	gtgtgaagta	acattggcaa	ctgtaatgtg	tccatttaac	ttatTTTTat	120
agcacttagg	caatattgtt	agtcttagtg	agtagttcac	atctttacaa	aagcatgctc	180
tccttatcca	ttgggccccac	aataacactc	tctttgaggc	cattctgaat	cctgtctcgt	240
gtaacgataa	tatattatga	aaacagatac	tttaagaatt	tcctgtacag	cagtcagttg	300
tttattctct	ctctctctct	ctctctctct	ctctctctct	ctctctctct	ccctcgggcc	360
caatcccgcg	ggcctgaatt	caagcttact	cttccttttt	caattcagaa	gaactcgtca	420
agaaggcgat	agaaggcgat	gcgctgcgaa	tcgggagcgg	cgataccgta	aagcacgagg	480
aagcggtcag	cccattcgcc	gccaaagctct	tnagcaatat	cacgggtagc	caacgctatg	540
tcctgatagc	ggccgncaca	cccagccggn	cacagtcgat	gaatccagaa	aagcggncat	600
ttt						603

<210> 311
 <211> 608
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (489)...(596)
 <223> n= A, C, G or T

<400> 311						
ggatccgcat	ggcattgatc	cgatttggaa	cattgcaacc	aacaagctga	ccttcctcaa	60
ctccttcaag	atgaagatgt	ctgttatcct	cggcatcatc	cacatgctgt	ttggagtcag	120
cctgagcctt	ttcaaccata	tctattttcaa	gaagcccctg	aacatctact	ttggcctttat	180
tcctgagatc	atcttcatgt	cctcgtttgt	tggctacctg	gtcatcctta	tcttttacaa	240
gtggacagcc	tacgatgccc	actcgtctag	gaatgccccg	agcctcctga	tccacttcat	300
aaacatgttc	ctctttctcct	acccagagtc	tggtaatgca	atgctgtact	ctggacagaa	360
aggaattcaa	gcttactcct	ccttttttcaa	ttcagaagaa	ctcgtcaaga	aggcgataga	420
aggcgatgcg	ctgcgaatcg	ggagcggcga	taccgtaaag	cacgaggaag	cggtcagccc	480
attcgccgnc	aagctctttc	agcaatatca	cgggtagcca	acgctatgtc	ctgatagcgg	540

gccgccacac ccagccgggc acaggtcgat gaattcagaa aagcggggcca tttttncacc 600
atgatatt 608

<210> 312

<211> 637

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (117)...(627)

<223> n= A, C, G or T

<400> 312

ggatccgccg	gggggtcagaa	gccatggagt	cagcattatc	accaaggata	ttattgaata	60
cccaaataaa	acgaactgat	acatatctct	ccaaaacctt	cacaagaagt	cgactgnntt	120
cttttagtagg	ctaacttttt	aaacattcca	caagaggaag	tgcccgcggg	cctgaattca	180
agcttactct	tcctttttca	attcagaaga	actcgtcaag	aaggcgatag	aaggcgatgc	240
gctgcgaatc	gggagcggcg	ataccgtaaa	gcacgaggaa	gcggtcagcc	cattcgccgc	300
caagctcttc	agcaatatca	cgggtagcca	acgctatgtc	ctgatagcgg	tcgccacac	360
ccagccggcc	acagtcgatg	aatncagaaa	agcggncatt	ttccaccatg	atattcggca	420
agcaggcatc	gccatgggtc	acgacgagat	cctcgccgtc	gggcatgcgc	gccttgagcc	480
tggcgaacag	ttcggctggc	gcgagcccct	gatgctcttc	gtccagatca	tcctgatcga	540
caaagaccgg	nttncatccg	agtaccgtgc	tcgctcgatg	cgangtttcg	cttgngngtn	600
naatgggcag	gttagnccgg	atcaagngta	tgcagcc			637

<210> 313

<211> 607

<212> DNA

<213> Mus musculus

<400> 313

ggatccggca	ggaagaggcc	aggcagatgc	agaagcagca	gcagcagcaa	caacaacaac	60
aacagcaaca	ccagcaatca	aacagagccc	ggaacagcac	acattccaac	ctgcatacca	120
gccttgaggaa	ttcaagctta	ctcttccttt	ttcaattcag	aagaactcgt	caagaaggcg	180
atagaaggcg	atgcgctgcg	aatcgggagc	ggcgataccg	taaagcacga	ggaagcggtc	240
agcccattcg	ccgccaaagt	cttcagcaat	atcacgggta	gccaacgcta	tgtcctgata	300
gcgggtccgcc	acacccagcc	ggccacagtc	gatgaatcca	gaaaagcggc	cattttccac	360
catgatattc	ggcaagcagg	catcgccatg	ggtcacgacg	agatcctcgc	cgtcgggcat	420
gcgcgccttg	agcctggcga	acagttcggc	tggcgcgagc	ccctgatgct	cttcgtccag	480
atcatcctga	tcgacaagac	cggcttcatc	cgagtacgtg	ctcgctcgat	gcgatgtttc	540
gcttggtggt	cgaatgggca	ggtagccgga	tcaagcgtat	gcagccgccg	cattgcatca	600
gccatga						607

<210> 314

<211> 633

<212> DNA

<213> Mus musculus

<400> 314

ggatccggtc	agaagccatg	gagtcagcat	tatcaccaag	gatattattg	aatacccaaa	60
taaaacgaac	tgatacatat	ttctccaaaa	ccttcacaag	aagtcgactg	ttttcttttag	120
taggctaact	ttttaaacat	tccacaagag	gaagggcccg	cgggcccgaa	ttcaagctta	180
ctcttccttt	ttcaattcag	aagaactcgt	caagaaggcg	atagaaggcg	atgcgctgcg	240
aatcgggagc	ggcgataccg	taaagcacga	ggaagcggtc	agcccatctg	ccgccaagct	300
cttcagcaat	atcacgggta	gccaacgcta	tgtcctgata	gcggtcgcgc	acacccagcc	360
ggccacagtc	gatgaatcca	gaaaagcggc	cattttccac	catgatattc	ggcaagcagg	420
catcgccatg	ggtcacgacg	agatcctcgc	cgtcgggcat	gcgcgccttg	agcctggcga	480
acagttcggc	tggcgcgagc	ccctgatgct	cttcgtccag	atcatcctga	tcgacaagac	540
cggcttccat	ccgagtacgt	gctcgctcga	tgcgatgttt	cgcttggtgg	tcgaatgggc	600
aggtagccgg	atcaagcgta	tgcagcccgc	cgc			633

<210> 315

<211> 631

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (7)...(631)

<223> n= A, C, G or T

<400> 315

ggatccnttg	ngggnnatna	ccnnnggagn	naccatnatn	annaaggata	tnatatgaat	60
acccaagatc	attggncntg	atgngtatgt	tctnnacaac	ctntatatga	ancagactgc	120
nnnntntnat	nngcnaantt	nnnaanngtt	acncaagang	aantgtccnt	tnnccnatat	180
tcaagntnnc	tnttcntttg	tnantnaagn	ngancnnctg	nanatngcga	ncgaaggtn	240
ngcgctgcnn	anngnnancg	gcnatccctt	nnannacgag	gnatnggnca	gtctattngc	300
nggccanctc	tttntcntna	tnnccgggtcg	ccannnctat	gngctnanag	cggatnnana	360
cacncangcg	gccannntcc	atnatnanat	nnnngcggcc	nttntccacc	nngatntnna	420
nnagnnnctc	atcgctcatgn	ntgcnacctn	ntccttggcg	accngcatgc	gctgctngag	480
ccngtgatnc	agttcggctg	gancnngctn	ntgangctgt	tcgncntgan	tatcctganc	540
nacatgatcg	gtningatgcn	agttcgngct	cgctntntgc	gatgtttccg	ttgaaggnc	600
antgggcngg	tnnattggat	caagccattg	n			631

<210> 316

<211> 607

<212> DNA

<213> Mus musculus

<400> 316

ggatccctaac	ctcacagctg	aaagcagcca	tagcagaatg	caggccagag	aacgaacttt	60
agaaataaacc	cacctacttg	tgtctgggga	attcaagctt	actcttcctt	tttcaattca	120
gaagaactcg	tcaagaaggc	gatagaaggc	gatgcgctgc	gaatcgggag	cggcgatacc	180
gtaaagcacg	aggaagcggt	cagcccatct	gccgccaaagc	tcttcagcaa	tatcacgggt	240
agccaacgct	atgtcctgat	agcgggtccgc	cacacccagc	cggccacagt	cgatgaatcc	300
agaaaagcgg	ccattttcca	ccatgatatt	cggcaagcag	gcacgcgcat	gggtcacgac	360
gagatcctcg	ccgtcgggca	tgcgcgcctt	gagcctggcg	aacagttcgg	ctggcgcgag	420
cccctgatgc	tcttcgtcca	gatcatcctg	atcgacaaga	ccggcttcca	tccgagtagc	480
tgctcgctcg	atgcgatgtt	tcgcttggtg	gtcgaatggg	caggtagccg	gatcaagcgt	540

atgcagccgc cgcattgcat cagccatgat ggatactttc tcggcaggag caaggtggga 600
tgacagg 607

<210> 317
<211> 225
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (13)...(204)
<223> n= A, C, G or T

<400> 317
ggatcctcac tgnncggcaa aatgccgcaa aaaaggggaat aagggcgaca cggaatggt 60
gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca 120
tgagcggata catatttgaa tgtattctgc agaagaacat gtgagcaaaa ggccagcna 180
aggccntnan ccgaaaaaag gccncgctgc tggctttttt ccata 225

<210> 318
<211> 633
<212> DNA
<213> Mus musculus

<220>
<221> unsure
<222> (8)...(630)
<223> n= A, C, G or T

<400> 318
ggatcctnac tgnncggcaa ancgccgcaa aaaaggggaat gggggctgac acgganatgt 60
ttgaatactc atactcttcc tttnttanta ttnttgaann nttntcnng nntattggnt 120
natgagcgga tacntatttg aatgtattct gcataagaac atgtgagcaa aaggccagca 180
naaggccngg aaccggaaaa aggccgngtt gctggcgttt ttccatagge tccgaccccc 240
tgacgagcat canaaaaatc gacgctcaat tcagatgtgg caaaccgcac tggactataa 300
agataccagg cgtttacccc tgnnanctcc ctagtncgct ntctgttnc gnccctgccg 360
cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgcttcc tcatagctca 420
cgctgtatgt ntctcangtc ggtgtaggta ngntcgctcc aatctgggct gngtgcacga 480
accnccggt cancccgacc gctgngcctt atccggaaac tatcntattg agttcacccg 540
gnaagacacc acttatntc ctgcagnagn cactggtnac atgattatna nancgaggt 600
tttnngcngg tctncaagnn ttcnttgaan ttt 633

<210> 319
<211> 645
<212> DNA
<213> Mus musculus

<400> 319
tcttcagcat cttttacttt caccagcggt tctgggtggg atccaaagcc tccaattatt 60
attggtatta ctatgaagaa aattataaca aaagcatggg cagttacgat aacattgtaa 120

atttgggtcat	ctcctaaaag	tgcacctggt	tgacctaat	ctgctcgaat	taaaatactt	180
agtgcagtag	ccactattcc	cgcgggcccc	aattcaagct	tactcttcct	ttttcaattc	240
agaagaactc	gtcaagaagg	cgatagaagg	cgatgcgctg	cgaatcgga	gcggcgatac	300
cgtaaagcac	gaggaagcgg	tcagcccatt	cgccgccaag	ctcttcagca	atatcacggg	360
tagccaacgc	tatgtcctga	tagcgggtccg	ccacacccag	cgggccacag	tcgatgaatc	420
cagaaaagcg	gccattttcc	accatgatat	tcggcaagca	ggcatcgcca	tgggtcacga	480
cgagatcctc	gccgtcgggc	atgcgcgcct	tgagcctggc	gaacagttcg	gctggcgcg	540
gccccctgatg	ctcttcgtcc	agatcatcct	gatcgacaag	accggcttcc	atccgagtag	600
gtgctcgctc	gatgcgatgt	ttcgcttggt	ggtcgaaatg	gcagg		645

<210> 320

<211> 289

<212> DNA

<213> Mus musculus

<400> 320

gaattcgcg	ccgcgtcgac	gccaagactt	cacacagttc	tgattgtccc	agaagccttg	60
cgtttgtcaa	aacatgacaa	tgagatatga	aaacttccag	aacttggagc	gggaagagaa	120
aaaccaggag	atgagaaatg	gtgacaagaa	aggaggaatg	gagtctccaa	agtttgcctc	180
aattccttcc	cagtccttcc	tgtggcgcat	cctctcttgg	acccacctcc	tcctgtttctc	240
cctgggcctc	agcctcctgc	tactggtggt	catctccgtg	attggatcc		289

<210> 321

<211> 684

<212> DNA

<213> Mus musculus

<220>

<221> unsure

<222> (124)...(153)

<223> n= A, C, G or T

<400> 321

acctcagtga	tgtgcaaggg	tgatcaatga	tcggtgagtc	tctctcatct	cagtgtgtgg	60
agtgaagag	tagagaactc	agatgccaac	taattcttga	gcatggataa	ccaaatttca	120
gggnaggagc	cgttttcaat	agctaaaagt	gcntgagtta	taatcacctt	gtcacgtttt	180
ggttgggttc	tgaatttgca	taccaaccag	agcatgaaca	ccagtccaca	gcatatggca	240
gcaccaaaaca	aaatcactcc	cacccattcc	ttaaagtaag	aaaaagcaga	ggtaagccaa	300
gaggtaaagt	ctccgagggg	cactgggttc	actctgggtc	cattaaggct	caggatctgc	360
atctgcagtc	tcgtctgcaa	cctttccagc	tcctgcgacc	agttcccctt	caggtaactc	420
gataggtctg	tacttttaat	aaaagaatta	ttaatatacc	tattgggagt	aatgcacaca	480
tgcaaagtgg	atgccacaca	actcatttgt	atgacatcca	tcactgttcc	catgtcatgt	540
tgtaaaaatat	ccactctgat	tcactaacat	taaccctgag	gtgatatgag	aatccaccct	600
ttgcagggta	agcaatgcct	cagacgtttt	ttctgctatc	tgacttatag	tgtcagcagt	660
attaatttga	tctgccctgg	atcc				684

<210> 322

<211> 719

<212> DNA

<213> Mus musculus

<220>
 <221> unsure
 <222> (628)...(666)
 <223> n= A, C, G or T

<400> 322

cttcagcatc	ttttctttca	ccagcgtttc	tgggtgggat	ccaggggtgg	ggtggaaaac	60
ttgctaaaaa	caaagcaa	gtctttcaat	attcacaacc	ttaaaattat	atccaagaaa	120
acaaaggata	aataattttt	tataaaaata	attacttctc	aaataacggt	tcacaataga	180
cctgctcaat	acatcgatct	gactcatctc	atctgtgccg	cttttcttct	ttttaaaatt	240
ctggcctggg	acaaaactac	atgaaagaaa	gtaccattaa	attaagggtt	actttccaaa	300
aaacaataga	aaaatcttaa	aagtaaattc	acttatatat	aaaatattaa	ggcctctgca	360
tgagaacggt	ttaacatctg	gggaactggc	ctttcctaac	tgacctatga	ccccactcac	420
ctcaaacttc	agaatgaaag	gttctggagt	gaaaagtcct	tttaattttg	ccaatacatg	480
aaattacaca	taaaattaca	ctgcaaagta	atatgtactt	aacaaatgat	atattgaaaa	540
gtctaacttt	ctgctggcta	atttcagtat	ggacttcaga	tcaagtatag	tgtattttca	600
gccatatctc	ataatctttt	gcgacgcngn	cgcggaattca	agcttactct	tnctttttca	660
attcanaaga	actcgtcaag	aaggcgatag	aaggcgatgc	gctgcgaatc	gggagccgg	719

<210> 323
 <211> 655
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure
 <222> (16)...(85)
 <223> n= A, C, G or T

<400> 323

gttgtagatc	tgaaancaa	aaagaaggcg	gggcttgagg	tcctgaggtc	acttaagggc	60
caccntnttt	gacntaagac	ctcantaggc	cccgcctcta	aagggtttctg	acctcaatag	120
gccttctctg	agaactagtt	tctaactctc	aggcccttgg	gacattgcat	ctcagtagta	180
ggtgcctctc	tacctgtgtt	tggcttggtc	atgattggca	gacactctgc	ctggctctgc	240
acagcagcgg	ctcagcatca	gcatccagct	gcttgctgtg	tgttagtgtg	ctcacagctg	300
agggctctgc	ctcggctact	tcaggctttc	cggttaggaa	gataatttgg	tcacttgtgt	360
ctgtggccac	tcttagaatt	ttctcttttg	agggaaacctg	tgactgggtg	gcttttgc	420
tctatggagg	gagatggggt	taaagactgt	ggcaacacac	accctccaga	agagctggga	480
ccagagactg	tcagcacaga	aaggacaatg	tcttttttag	tagctgtggc	agacttgagt	540
tgctgtaatt	tatacaaatt	gtttagaatg	gtttttaaga	ctaagaaggg	aatataactt	600
attgcacaag	acttttataa	ttactatact	taaattatgc	tctatgtggg	gatcc	655

<210> 324
 <211> 677
 <212> DNA
 <213> Mus musculus

<220>
 <221> unsure

<222> 1

<223> n= A,C, G or T

<400> 324

ncgctgtagt	ttcattttctc	acttttgaggg	cacagatgaa	aatgtatatc	gcaacacagt	60
ggatatcagc	ccaagcacga	agaccatgct	gaacatgcac	ccgtacagag	tgtacttaaa	120
ggagtcgtca	taagggcact	gggagccatt	ggagcttacc	attgtcaggc	agtgcagctt	180
acaggaggcc	ttttgtccgc	agcgcttgat	cgatcgcctt	tgctattcag	atgtgggtcac	240
agcagcagcc	agttttatttg	caaagtattt	gtttcttttc	ctgttcttac	aaatactttc	300
ttctcttaac	tcttcaaagg	aaacatgaaa	tgtgttccgt	aaaagtttct	agtagattat	360
tcaggaaaat	agtctgattt	tctggtcgag	aaaatccatg	agtctggagt	ttagttaact	420
gacagaaaat	gcagtcaagg	aagccaaccc	ataaagctga	aagtgtgaag	aaaaactggt	480
ccaagtcgga	ccagaccagt	ccgcgtggaa	acttgtgctt	cagccgccag	ggtccaaacc	540
agctttactt	cagtcacaaa	cactcgccgt	gcgtccgtcc	gcccgtcgtc	ctcgggtact	600
tcttccttct	ttttattctc	aaactttgta	tttctacatt	gattccggac	ggcgataggc	660
agtcgtttaa	gggatcc					677